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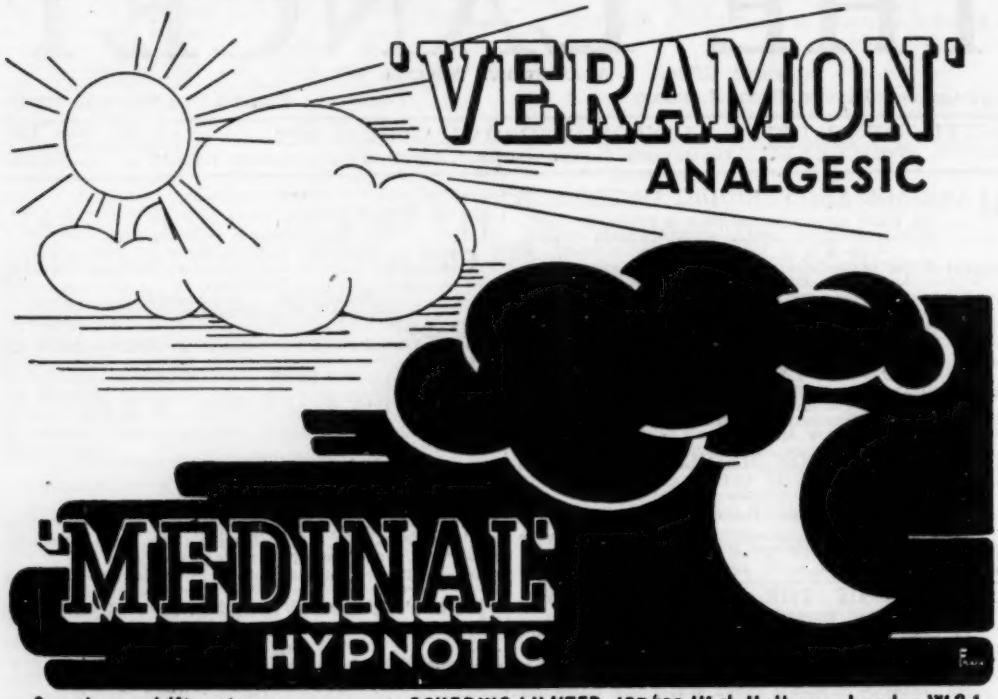

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ADDRESSES AND ORIGINAL ARTICLES

THE PREVENTION OF PULMONARY TUBERCULOSIS AMONG ADULTS IN ENGLAND

IN THE PAST AND IN THE FUTURE *

By P. M. D'Arcy Hart, M.D. Camb., F.R.C.P. Lond.

ASSISTANT PHYSICIAN TO UNIVERSITY COLLEGE HOSPITAL, LONDON

In 1879 Dr. Milroy, the founder of this lectureship, wrote as follows of a group of diseases that included tuberculosis: "No question of public hygiene is perhaps of more importance in respect alike of individual suffering and of the welfare of communities than the Ætiology of the chronic Cachexiæ."

In spite of the discovery of the tubercle bacillus by Koch three years later, it is clear that pulmonary tuberculosis is still one of the major problems of medicine. Thus at the present time it is responsible for the deaths of about 25,000 persons annually in England and Wales alone, a figure that amounts to about 5 per cent. of deaths from all causes. Among young men and women of 15–24 it causes more deaths than any other single disease; indeed, its death-rate at that age is about two-thirds of that of all other diseases taken together. It is also costly in money, for in 1933–34 the local authorities of England and Wales spent on their tuberculosis services nearly £4,000,000, or 7 per cent. of their total expenditure under the heading of public health (Ministry of Health 1935–36). This sum represents about 2s. per head of the population of the country.

Tuberculosis, therefore, still presents a health problem of great medical and economic importance. I shall try to show that in the future, as in the past, success in its solution is most likely to be attained by measures of prevention. The term "preventive" will be used here in a broad sense to comprise all remedial measures other than the actual technique of treatment. Thus it will cover the prevention of progressive lesions after infection has taken place, the prevention of further advance in such lesions after their presence has been recognised, and the prevention of their breakdown after the stage of regression is attained.

The age of 15 will be taken as the dividing line between the child and the adult, because it is at this age that in England most members of the working-class enter the labour market, suffering a radical change in their mode of living.

Two types of pulmonary tuberculosis will be recognised as occurring in the adult, though a hard and fast separation between the two may in time prove to be unjustified.

1. The first and less common type may accompany first-infection—with its change from negative to positive tuberculin reactivity—when this process takes place in adult life instead of, as is more common in urbanised communities, in childhood. The lesions take the form of pulmonary infiltrations around the primary focus (which may occur in any part of the lung), enlarged tracheo-bronchial glands, pleurisy, erythema nodosum, &c. Because these lesions are of the kind sometimes associated with first-infection received in childhood, the term *childhood type of tuberculosis* is often applied to them also in the adult.

2. The second type is much the more common in this country, and is usually known as the *adult type*. Its progressive lesions are due, it is usually held, to the extension of a reinfection process that occurs peculiarly in the apical or subapical region of the lungs of persons already first-infected.

Many aspects of these two types of pulmonary lesions remain obscure (for different views of pathogenesis see Opie 1935, Blacklock 1936, Pagel 1936). Nevertheless additions to knowledge during the past two decades permit us to indicate fresh lines of activity in the field of prevention of pulmonary tuberculosis among adults.

Social Preventive Measures Applicable to the Community

FACTORS RESPONSIBLE FOR THE TREND OF PULMONARY TUBERCULOSIS IN ENGLAND

Mortality figures, which provide the most complete available estimate of the past trend of pulmonary tuberculosis, showed a satisfactory decline in all age-groups in England from the middle of the last century until the beginning of the present one. Latterly, however, although the figures for most age-groups have continued their downward course, except during the late war, the mortality in young adults (aged 15–24), more especially in young women, has shown a less rapid decline. Thus for young women the mortality in 1930–32 was only 4 per cent. lower than in 1911, as against a reduction of 36 per cent. for women aged 25–44. There is reason to think that the situation is now again improving, but this is still uncertain.

A decline in mortality from any disease may result either from a decrease in its morbidity or from a fall in its case-fatality. Comparison of mortality and morbidity figures for pulmonary tuberculosis since 1923 shows an approximate parallelism between the two (see Ministry of Health 1935a). If this can be assumed to be true also of earlier periods, we arrive at the important conclusion that the decline in mortality is probably due to the decrease in incidence of new cases rather than to a reduction in the case-fatality.

It is now widely accepted that the general decline in pulmonary tuberculosis has been mainly the result of improvement in the general social and economic conditions of the mass of the people. Although specific antituberculosis measures might be expected to have played an important part in the reduction, it is hard to determine the extent of their contribution, at least in the case of adults. For the general decline in mortality from pulmonary tuberculosis began in this country before any specific measures were taken against the disease, and has been accompanied by a substantial decline in mortality from all other diseases taken together. On the other hand, the recent check in the reduction of pulmonary tuberculosis mortality among young adults—a check that was not shared by the mortality from other diseases—has occurred during a period when interest in matters of public health in general has been greater than ever.

This serious check in the decline of tuberculosis mortality among one of the economically most important groups of the population has naturally attracted much attention, and it seems of great consequence to establish the factors responsible. The following is a résumé of certain parts of work in preparation by Payling Wright and myself.

* The Milroy lectures for 1937 delivered before the Royal College of Physicians of London on Feb. 18th and 23rd.

Stocks (1936) rightly points out that one must consider not only the retarded decline in the country as a whole, but also the differences in decline experienced from one locality to another. He attributes the general retardation in the age-group 15–24 to the after-effects of war-time privations. But though such privations readily account for the temporary rise in tuberculosis mortality both among child and adult civilians while the war was in progress, they cannot be accepted as a complete explanation, since in young females, at any rate, the check in decline in mortality began some years before 1914. To explain the local differences in mortality decline, internal migration of young adults in search of better economic conditions has been advanced as an important factor by Bradford Hill (1936); these migrants being, he believes, less likely than non-migrants to develop pulmonary tuberculosis. This belief in the superior health of migrants in recent years may be disputed; and even if correct, migration will only partly account for the local differential fall in mortality, as indeed Bradford Hill himself is ready to admit.

It seems possible, in our view, to ascribe both the decline in the country as a whole and the local differences to the reaction upon health of associated social conditions, to which, it is suggested, young adults are especially sensitive.

IMPORTANCE OF VARIOUS SOCIAL FACTORS IN PULMONARY TUBERCULOSIS

(1) *Nutrition and housing.*—If it is true that the trend of pulmonary tuberculosis has hitherto been mainly the result of social measures not especially directed to this disease, which social factors are of major importance? According to current belief these are housing, nutrition, and fatigue; and clothing, heating, and hygiene.

Housing conditions affect the frequency and intimacy of personal contact, and consequently the spacing and dosage of droplet infection. They may also perhaps influence individual resistance. It is doubtful if either nutrition or fatigue has any influence upon the actual occurrence of tuberculous infection, which is predominantly the result of contact. On the other hand, they probably affect the course of the tuberculous process once infection has taken place.

It is difficult to separate the importance of these various individual social factors because, being to a large extent determined by income, they are usually correlated with one another. On Tyneside Bradbury (1933) found a relationship between tuberculosis and both overcrowding and undernourishment (as judged by deficient dietary) and concluded that both these social factors are important as causes in tuberculosis. This agrees with the high degree of correlation found between overcrowding and adult pulmonary tuberculosis mortality in different localities —e.g., by Hart and Wright for English county boroughs. The separate importance of undernutrition agrees with the clinical observation that adequate diet is important in treatment of the disease, and also with the striking evidence of the effects of food shortage on tuberculosis mortality that was provided by the late war.

The rise in tuberculosis mortality then seen involved not only belligerent countries but also some neutral states affected by food shortage. In England and Wales the total civilian deaths from tuberculosis during the years 1914–18 were 18,000 more than would have occurred had the death-rate continued at the same figure as in 1914. But the worst effects were seen in Germany and Austria, where the qualitative and quantitative reductions in food allowance were the most extreme. It has been estimated that Germany lost an extra 280,000 civilian lives from tuberculosis as a result of the war and subsequent economic depression (1914–27); this works out as one person for every ten fatal military casualties. While the main cause of the war rise is generally believed to have been the shortage of food, the employment of large numbers of persons in injurious trades, and overcrowding due to shortage of fuel, may also have played a subsidiary part (see Beveridge 1928, Memorandum 1936).

If, as seems probable, deficiencies in housing and in nutrition predispose to pulmonary tuberculosis, it is desirable to consider the present position of the country with regard to each of them.

(2) *Deficiencies in nutrition and possible remedies.*—It is still unknown whether shortage of any particular food factor encourages tuberculosis. Out of the polemics that have surrounded the subject of nutrition, however, is emerging a rather new conception which may be of great importance in our future attitude towards the prevention of tuberculosis. According to this conception, a diet sufficient for *optimal* health should be aimed at in order to maintain physique and prevent disease (see Orr 1936, p. 12). While the composition of such an optimal diet cannot yet be stated with complete certainty, enough is known of the particular functions of individual foodstuffs apart from their energy value to be sure that it exceeds, both in quantity and in quality, the diet previously regarded as adequate for minimal health—i.e., to prevent actual starvation or malnutrition in the older sense.

The main direct evidence for the existence of suboptimal nutrition has been provided by dietary or feeding experiments in school-children and adolescents (e.g., Corry Mann 1926, Orr 1928, Orr and Clark 1930, Leighton and McKinlay 1930, Friend 1935). These investigations are supported by the beneficial results of administering a liberal diet to substandard army recruits for short periods (see Duff Cooper 1937). These latter results are of particular interest since the subjects are drawn from the age-group whose tuberculosis incidence has been giving rise to especial anxiety in recent years.

Inquiries into working-class dietaries in selected population groups provide information from another angle on the prevalence of suboptimal nutrition. In some instances individual dietaries have been assessed (Cathcart and Murray 1936, Newcastle-on-Tyne 1937), while in others group-averages of dietaries in relation to income have been used—a procedure that involves certain assumptions (e.g., Orr 1936). Most of the investigators have found their groups under examination to contain many persons who are consuming diets which cannot be fairly accepted as up to any reasonable optimum.

The desirability of raising the level of nutrition in the nation is now recognised. The chief measures put forward for securing such improvement are an increase in food-purchasing power, education in the apportionment of available means, and, where necessary, direct supply of suitable nutrients as a part of the social services. The relative emphasis to be laid upon the first and the second of these measures has been disputed, but a recent statement of opinion may be quoted in this connexion:—

"It is undoubtedly true that, even if there were abundant money for food expenditure in every household, ignorance and stupidity would often prevent the maximum nutritional benefits from being obtained, as they certainly do in many of the houses of the well-to-do at present. At the same time, it is equally certain that the limiting factor in a large section of the community is food-purchasing power. In any steps taken to improve the physical fitness of the community, both aspects of this problem, the educational and the economic, must therefore be dealt with" (Medical Research Council 1936).

It is clear that no amount of education will overcome the restricted food-purchasing power of a substantial section of the people; for the latter an

increase in real earnings or in the direct supply of suitable nutrients is therefore an essential.

Another fundamental condition of improvement is the availability of suitable foodstuffs for distribution and purchase. This is largely bound up with agriculture and international trade, and is being studied by the League of Nations Committee on the Problem of Nutrition, which has (1936) issued an interim report. It is to be hoped that the recommendations of this committee will lead to better planning of the supply of suitable nutrients at prices within working-class means, and will obviate in some measure the unfortunate restriction in supplies that have resulted from recent schemes for raising the price levels of important internally produced foodstuffs in the interests of a limited section of the community.

(3) *Housing and its improvement.*—Though we have no certain knowledge of what constitutes an entirely satisfactory standard of housing in relation to the prevention of tuberculosis, we may be sure that for accommodation to be suitable it should comply at least with a standard of overcrowding such as that of the Housing Act, 1935, the survey for which showed a substantial proportion of the population to be living under sub-standard conditions.

This Act marks an advance in that it encourages the eventual reduction, by local authorities, of overcrowding in all areas to the same standard, whatever be the amount shown to be present by the recent survey. So far as the prevention of tuberculosis is concerned, probably the best indications of progress in a local authority's area after each year's working would be: (*a*) the number of persons formerly living under overcrowded conditions who have been rehoused during the year, expressed as a percentage of the total number reported as overcrowded at the time of the recent survey; and (*b*) the percentage of the population still living in overcrowded conditions at the end of the year. Such figures might give more valuable information from the health standpoint than would the mere number of persons rehoused, which measures the absolute rate of improvement. It is of course essential that rehousing should not force the tenant to reduce expenditure on food, clothing, and other necessities beyond the margin of safety, because of increase in rental and fares; otherwise more harm than good may result (McGonigle 1933, McGonigle and Kirby 1936).

FUTURE IMPROVEMENT IN STANDARD OF LIVING

We have implied that raising of the level of nutrition and housing would help to prevent pulmonary tuberculosis. Now housing, nutrition, and various other factors, when integrated, determine the general level of social conditions, or standard of living. We could, therefore, have taken the standard of living as a whole and discussed the indications for its improvement. And from the influential part played in the past by a rising standard of living in reducing tuberculosis in this country (see above), together with the evidence that the mortality still differs considerably at different social and economic levels (Registrar-General 1921, Greenwood 1935), we might justifiably have concluded that the average standard of living of the working-class is still inadequate to provide full health, and that a continued rise would be a preventive measure of the first importance. And if this be true of a rise in the average level it applies even more where living conditions are below the average.

"The facts that in this country at least the standard of living has improved, except where unemployment is prolonged and acute, that knowledge of the nature of food has increased, and that it has been possible to mitigate hardships by regulated insurance and assistance, do not afford reasons for relaxing efforts, but are an encouragement to persevere. The problems of want are now of manageable dimensions" (Bowley 1936).

Social Preventive Measures Applicable to Tuberculous Families

We must now consider certain social measures, embodied in the national tuberculosis scheme, that are specifically directed to tuberculous persons and their families. These operate from the time of notification, and are concerned with the family of the patient during his absence for residential treatment, and later with himself in addition after his return home. Their chief objects are to maintain the standard of living of the family, to prevent spread of the disease among its members, and to prevent relapse. They probably confer most benefit on persons whose condition is diagnosed before it reaches the advanced stage, and whose lesions cease to progress unfavourably, or begin to regress, as a result of their residential treatment. Unless bed-rest for sufficient time to attain clinical "cure" comes to be found practicable as a rule for such patients, the subsequent few years will remain a critical period for many of them, and after-care will continue to play perhaps as important a part as the original form of treatment in determining the ultimate prognosis. The care and after-care of these patients and their families, rather than of advanced cases with little hope of recovery, will be discussed here.

INFLUENCE OF ECONOMIC STATUS UPON PROGNOSIS, AND OF PROLONGED ILLNESS UPON ECONOMIC STATUS

For a proper understanding of the functions of social care and after-care, the influence of economic status of the patient upon the ultimate results of treatment must be recognised. This influence, as judged by case-fatality, has been pointed out by many authorities (see MacNalty 1932a, Burnet 1932), and is supported by Bentley's (1936a) report on the recent experience of the London County Council with pneumothorax treatment. There are grounds for the view that the major function of the care and after-care organisations is to provide for the poor some of the more essential health facilities which the rich are able to buy; for the effects of the presence of a tuberculous member in wealthy families and in the families of many sections of the working class are often very different.

The patient of ample means, returning home from sanatorium, can often afford to absent himself from his duties until advised by his doctor that it is quite safe to resume them. When he does so he is often able to arrange that at first they shall be less arduous, or that he can have intervals for rest and recuperation. At home he can make special hygienic provisions and can arrange suitable sleeping accommodation, while the standard of living of his wife and family will not become seriously affected by his disability provided this be not unreasonably prolonged.

The working-class patient, after the benefit of a not dissimilar treatment in sanatorium (which, in the case of the London County Council area, has been free during the past three years), returns to a home environment where the provision of suitable hygienic arrangements may be difficult, and of separate sleeping accommodation (see Bentley 1936a) impossible, even under conditions that would not constitute actual overcrowding under the 1935 Housing Act. Unless he is fortunate enough to have substantial savings or private sickness insurance, the standard of living of his family will usually have become lower than it was before his illness, and its resources will now be further strained by the return of a non-contributory member. Unless some portion of the patient's wage continues, his income will eventually consist of sickness insurance benefits, originally designed to tide over short periods of illness, and—in the case of National Health Insurance—these will be halved after six months.

This income will be unable to meet the week's expenses for a man, wife, and several children of school age unless sufficient contributions are available from any additional earners in the family, and it may therefore have to be supplemented by private charity or by public assistance. The dietary of the family, even if supplemented by grants of extra milk to the children, and of extra nourishment to their father, will usually be restricted compared with what they were when the father was at work; and while it may seldom become less than that regarded as adequate to prevent gross malnutrition, it must often fall below any reasonable standard for optimal health. Diversion of food to the patient on sentimental grounds intensifies risk to the remainder of the family. Under such circumstances the wage-earner, anxious to restore his family's standard of life to its former level, fearing or knowing that his job will not continue to be kept open, or—should he already have lost it—unwilling to risk refusing the offer of another one, not infrequently returns to work too soon. This is especially harmful because he has small chance of obtaining light work, or of transferring from an unsuitable occupation.

This gloomy picture shows how pulmonary tuberculosis in the primary wage-earner of a working-class family accentuates just those social differences between himself and the head of a wealthy household that probably made him more liable to develop the disease in the first instance. As Sir Arthur MacNalty (1932d) puts it:—

"Tuberculosis . . . occurs most frequently in persons who are badly housed, who live under conditions of overcrowding and whose earnings are frequently inadequate to secure more than the bare necessaries of life. The occurrence of tuberculosis in its turn increases the poverty of the family still more and the unfavourable conditions become intensified, thus reducing the chances of recovery for the patient and increasing the probability of the spread of infection to other members of the household."

It is therefore not surprising that the similar sanatorium treatment obtained by poor and rich, with its equally satisfactory immediate results, is followed by a divergence in the subsequent course of the disease as it affects the patient and his family. To find the best means of mitigating these inequalities is thus an after-care problem of the first importance.

MEASURES OF SOCIAL AFTER-CARE

Possible guiding principles.—The following points of principle might reasonably serve as the objective.

(1) That the dietary of the patient, and also of each member of his family in contact with him, should be substantially higher than the minimum standard at present regarded as sufficient to prevent clinical malnutrition in the older sense, and should correspond rather to standards for optimal health; and that separate sleeping accommodation (as defined by Bentley 1936a) and not merely "non-overcrowded" premises should be available for the patient.

(2) That the family income should to some extent be related to its level before the illness of the patient, if he was in employment, so that he be not tempted to return to full or unsuitable work before fit to do so.

(3) That, on the view that the prospects of cure in slight or otherwise favourable cases of pulmonary tuberculosis are prejudiced by the social deterioration apt to follow prolonged absence from remunerative work, social expenditure on care and after-care in such cases should be treated, for a limited period after diagnosis, as on an equal basis with the medical expenditure on their residential treatment.

How far are these principles being translated into practice?

Basic measures.—Within the limits of the powers assigned to them, medical officers, health visitors, nurses, social workers, and others in the care and after-care organisations make every effort to supply the basic needs of tuberculous families. Among their contributions are preferential treatment in rehousing, home supervision and nursing, extra nourishment to the patient, and public assistance. Yet only too often the good work of residential treatment is speedily undone. The question therefore arises whether wider powers should be sought. If policy were to be developed according to the principles just outlined, an increase in national expenditure would probably be required. It could, however, be argued that this would be justified financially by a decrease in the number of failures following residential treatment that had already cost the community a considerable sum.

In order to provide for such increased expenditure, it might be necessary to create a special insurance fund for tuberculosis (and perhaps for certain other prolonged but hopeful illnesses) administered under National Health Insurance, or to permit local authorities to raise their scales of assistance or to make larger grants in kind for all members of affected families. Some progress in this direction has already been made: for example in Sheffield the rent due from a tuberculous family may be paid by the local authority after adequate rehousing has taken place.

Rehabilitation and re-employment.—Rehabilitation and the provision of lighter or more suitable work for tuberculous patients also form an essential though difficult part of after-care activities. Two of the present experimental schemes must be mentioned.

The first is the *village settlement*, complete with industries. The best-known example is Papworth, so ably conducted under Sir Pendrill Varrier-Jones. Here, and at Preston Hall, a somewhat similar institution, patients—usually those with intermediate or somewhat advanced disease—settle with their families semi-permanently (Papworth 1935, London County Council 1935a). It has been suggested (Marx 1936) that at most 10 per cent. of ex-sanatorium patients are suitable for this type of life.

The second consists of *workshops* and *cottages* at *sanatoria*, e.g. in Wales and at Birmingham—which allow patients to remain beyond the usual course of treatment. Not only temporary work, but also instruction in the hygiene that should be aimed at on return home is thus available (Powell 1926, Ministry of Health 1935c).

The wider development of settlement, workshops, and cottages at or in connexion with the various municipal sanatoria seems to offer a definite advance in after-care. But even with such provisions on a large scale, there would remain a great mass of patients with slight or intermediate disease, and with good or fair ultimate prospects of health, who require rehabilitation in the city environment where their homes are situated. Many of these patients, after return home from sanatorium, are—for some time at least—unfit to resume full-time work at their former occupations, but would be capable of safely undertaking short-time work or of transferring to fresh occupations involving less arduous duties.

It is hard to see any satisfactory solution of this part of the problem without the active coöperation of industry. In the Soviet Union attempts are being made to solve it as follows:—

In some types of case ordinary factory work is carried out, but the hours are, say, only half-time, the balance of pay being made up from social insurance funds. Alternatively, a room may be provided with a conveyor belt that moves at reduced speed—a scheme that seems less practicable. For other types of case special workshops are provided from social funds. Stress is laid upon the desirability of maintaining the skilled man in skilled work, even though his occupation within his original industrial grade may be changed.

The medical authorities of the factories are responsible for making these arrangements for their substandard tuberculous workers, and for regulating their hygienic

conditions both in the factory and at home. For those whose home conditions are unsatisfactory night sanatoria are available in their own districts; the latter provide meals and sleeping accommodation under better conditions of hygiene, and with a smaller risk of conveying serious infection to contacts (see Webb and Webb 1936, *Lancet* 1936, Dobbs and Russell 1937).

In this country an arrangement whereby doctors could secure light work in industry for their tuberculous patients with greater regularity than at present would be of value, though the existence of able-bodied unemployment would make its function difficult; while the provision of night sanatoria in cities for the use of workers whose home conditions are unsatisfactory would also be useful.

Conclusions on Social Measures of Prevention

Social measures are important throughout the course of pulmonary tuberculosis, for not only do they influence the liability to develop progressive lesions but they also affect the ultimate results of treatment. Improvement in the standard of living of the mass of the people, and extension and intensification of the activities of the care and after-care organisations would be valuable measures of prevention.

(*To be continued*)

SCURVY AND CARDITIS

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That scurvy may be associated with cardiac lesions was shown by Erdheim (1918). He dissected many children who had died of scurvy in Vienna in the post-war period. Two-thirds of the hearts showed hypertrophy of the right ventricle. In the other one-third the scurvy was only incipient or mild. In the more severe cases both ventricles were hypertrophied. The older the children, the more constant was the enlargement. Sometimes cardiac failure led to hepatic stasis, but this was also seen in the absence of heart changes. Findlay (1923) produced chronic scurvy in guinea-pigs (hereinafter called "pigs") and infected them with pneumococci and staphylococci; post mortem he found fatty degeneration of the heart muscle. Höjer (1924) examined the cardiac muscle of 19 scorbutic pigs. He found the same changes as in the skeletal muscle (hyperæmia and atrophy). Occasionally there was necrosis going on to calcification. Changes appeared during the latent stages of scurvy. Meyer and McCormick (1928) and Bessey, Menten, and King (1934) found fatty degeneration and hæmorrhage into the heart muscle in uninfected scurvy. Rinehart and Mettier (1934), while stuyding the response of scorbutic pigs to intradermal infection with β-hæmolytic streptococci, found degenerative and proliferative changes in the heart valves and muscle.

In control pigs the valves were compact, with abundant wavy fibres; the nuclei were arranged axially, with no visible cytoplasm. The myocardium showed occasional accumulations of lymphocytes, with or without mononuclear cells and fibroblasts. In scorbutic pigs the valves usually showed hyaline or mucoid degeneration of the fibres, with fragmentation and lack of axial arrangement. Occasionally there was slight proliferation of the endothelial and subendothelial cells. In the scorbutic infected pigs, the valves, especially the mitral valve, were greatly swollen. They showed eosinophilic hyaline areas and paler mucoid material. Two-thirds of the heart valves showed as well a proliferative reaction of the stroma and subendothelial cells, giving rise to many cells with large hyperchromic or vesicular nuclei, and some multinucleate cells. The myocardium showed a fibrinoid degeneration with an endothelial infiltration. Only one heart was stained for bacteria and none were found. In a later paper, Rinehart (1935) states that in one instance a large number of bacteria were seen associated with a lesion.

Joint changes were also described, being again most marked in scorbutic infected pigs. These will not, however, be considered in this paper.

The organisms used were hæmolytic streptococci obtained from spontaneous cervical adenitis of pigs. An intradermal injection of 0·1 c.cm. of a 24-hour glucose veal broth culture was given into the skin of the thigh,

FIG. 1.—The normal mitral valve of the guinea-pig. (× 50.)

and local suppurative lesions developed. To protect the average pig from scurvy, 4 c.cm. of orange juice per day was needed. The biggest heart lesions were seen in infected pigs with subacute scurvy, receiving 1–2 c.cm. orange juice on alternate days.

Rinehart and Mettier considered that the lesions in the scorbutic infected pigs were essentially similar to those of human rheumatic fever.

Stimson, Hedley, and Rose (1934) confirmed these results, using hæmolytic streptococci from human lymphadenitis, but many negative findings were recorded. They also produced similar myocardial but no valvular lesions by intracardiac injection of scarlatinal streptococcal toxin in scorbutic pigs.

Schultz (1936a) has carefully repeated all Rinehart's work, using the same organisms. He did not stain his heart sections for organisms.

Of his 24 control pigs, 4 died from acute spontaneous hæmolytic streptococcal infections, and 5 of the uninfected ones showed pericarditis. Half the controls showed slight cardiac lesions, the commonest being subendocardial foci of mononuclear cells, especially in the left ventricular papillary muscles.

His scorbutic pigs, which were never completely deprived of orange juice, showed in about half no more than the controls. The rest showed diffuse valvular degeneration, with slight proliferation and occasional intense localised proliferation. Once only were there extensive changes including myo- and peri-carditis.

His scorbutic infected pigs, also never completely deprived of orange juice, showed, in addition to very severe local lesions at the site of injection, the following: 1. Fibrinoid degeneration of the valves, the pericardium, and the perivascular areas, the connective tissue becoming homogeneous, waxy, and deeply eosinophilic. 2. A proliferative reaction of large mononuclear cells and lymphocytes around the degenerations. 3. No endocardial thrombi in spite of the destruction of the endothelium. 4. Rarely, a myocarditis, with necrosis of the muscle-fibres, an increase in connective tissue cells, and, still more rarely, a diffuse infiltration with small mononuclear cells, and localised perivascular nodules of mononuclears and a few polymorphs. 5. A microscopic aortitis with mononuclear cells and a few eosinophils between the media and adventitia. Rarely, intimal degeneration was present.

Some of the pigs were spontaneously infected with hæmolytic streptococci, and these showed more marked lesions than the pigs with induced infections.

Schultz considers that these lesions differ from those of human rheumatic fever in that no verrucous

endocarditis is seen, that the myocardial lesions do not closely resemble Aschoff nodules, and that they are few in number and are not distributed as are the multiple granulomata of rheumatic fever.

Objects of the Experiments

The experiments to be described had five objects in view. First, to confirm the occurrence of lesions in infected scorbutic pigs; secondly, to attempt

FIG. 2.—Mitral valvulitis (scurvy + *S. viridans*). (× 50.)

to produce chronic lesions by the maintenance of chronic scurvy for as long as possible; thirdly, to see whether organisms were present in the heart substance; fourthly, to see whether the *Streptococcus viridans* was as efficacious as the hæmolytic streptococcus in producing lesions; and lastly, to see whether full doses of orange juice after infection would prevent or cure the lesions.

Technique

Large pigs of over 300 g. were used, as small ones perish very rapidly on a scorbutic diet. The basal diet was that of Rinehart and Mettier (1934); it contains adequate supplies of all vitamins except C, also sodium chloride and ferrous lactate. The diet and water were given ad lib. Measured rations of orange juice from fresh oranges were given with a fountain-pen filler. The pigs were weighed weekly.

For the injections, 24-hour glucose beef broth cultures of human organisms, obtained from acute lesions, were used; and 0·2 c.cm. was injected intradermally into the thigh. The hæmolytic streptococci were obtained from an appendix abscess and the green streptococci from an infected sinus. The hearts were opened, fixed, and embedded so that, as far as possible, all valves were cut. Approximately every thirtieth and thirty-first section was taken and stained with hæmatoxylin and eosin, and by the Gram-Weigert method for bacteria.

It was only in the later stages of the investigation that the possible value of post-mortem heart cultures was realised, and these were done in 13 pigs, but the injected organisms were never recovered and the inconstancy of the results demonstrated the well-known difficulty of the technique.

Results

Weight changes.—On the basal diet without orange-juice, or with only 1 c.cm. on alternate days, the pigs rapidly lost weight and died of scurvy in from one to three weeks. On 4 c.cm. orange juice per day they gained weight steadily. On 2 c.cm. orange juice on alternate days, scurvy was maintained in a chronic state.

Clinical changes.—The scorbutic pigs showed the typical clinical signs—the head held on one side (the scurvy face-ache position), paralysis of the hind limbs, loss of hair, loss of appetite, and hæmorrhagic diarrhœa. Post mortem they showed subperiosteal, adrenal, and bowel hæmorrhages, and the characteristic heart changes. Only one pig showed any local reaction at the site of injection, an intradermal hæmorrhage.

Cardiac changes.—The control pigs showed frequent subendocardial infiltrations with lymphocytes and endothelial cells, especially in the papillary muscles, and one showed a spontaneous pericarditis, a confirmation of the findings of Schultz (1936a). In the acute and chronic scorbutic pigs, whether infected or uninfected, the lesions were essentially the same, except that in the most chronic cases the hearts were considerably enlarged. Macroscopically, the mitral valves were usually thickened and puckered or actually nodular, sometimes with hæmorrhages into the nodules. The aortic valves were sometimes thickened and very occasionally nodular. The papillary muscles sometimes showed hæmorrhages. Microscopically, lesions were found at five sites: (1) the mitral valves; (2) more rarely, the aortic valves; (3) the auriculo-ventricular junction (hereinafter called the A.V.J.); (4) the myocardium, between the muscle-fibres, especially at the apex and in the papillary muscles, in the perivascular spaces, and in the auricle walls; and (5) the aorta. The cells in the lesions were polymorphs, endothelial cells, lymphocytes, and fibroblasts. In the acute lesions, polymorphs predominated; in the subacute and chronic, endothelial cells, lymphocytes, and fibroblasts. Giant cells were never seen. Most lesions showed interfibrillary and intercellular exudate, and a homogeneous appearance of the connective tissue. Small areas of calcification, as described

TABLE I—*Group 1*

Pig.	Myocardium.			A.V.J.		Mitral valve.		
	P.V. infn.	I.M. infn.	Organisms	Infn.	Organisms	Œdema.	Infn.	Organisms
A	−	+	−	−	−	+	+	−
B	−	++	++	++	−	+	−	−
C	−	+	++	++	−	+++	−	−
D	++	+	−	+	−	−	+	−
E	−	−	−	+	−	+	++	−
F	−	−	−	+	−	−	+++	−
G	−	−	−	−	−	++	++	−
H	−	−	−	−	−	++	+	−
I	++	+	−	++	−	+	++	−
J	++++	+++	−	++++	−	+	+	−
K	++	+	−	+	−	++	+	+
L	+++	++++	−	++++	+	+++	+	+
M	+	+	−	++	+	+++	+++	−
N	++	+++	−	−	−	++	+	−
O	++	+	+	+	++	+	+	−
P	++	+++	+	+	−	+++	−	+
Q	++	++	+	++	−	+++	++	−

Note.—In all Tables: P.V. infn. = Perivascular infiltration; I.M. infn. = Intramuscular infiltration; Infn. = Infiltration; and A.V.J. = Auriculo-ventricular junction. When a pig is mentioned outside its own group, the group number is placed before the pig's letter, thus Pig C of Group 1 becomes Pig 1C.

by Höjer (1924), were occasionally seen in the myocardium.

Mild degrees of *congestion of the lungs and liver* were seen in some of the acutely scorbutic pigs. Advanced degrees were, however, consistently seen in the chronic cases. This was not due to the method of slaughter as the pigs died naturally.

Vascular lesions in scorbutic infected pigs have been described by Menten and King (1935). They state that scorbutic pigs injected with diphtheria toxin, or green or hæmolytic streptococci, show diffuse hyperplasia of the media of the arteries of the lungs, liver, spleen, and kidneys. This is hard to estimate as, unless the vessels are injected, the elastic tissue of the media contracts, producing an apparent medial thickening. This was observed in the lungs and livers of control, scorbutic, and scorbutic infected pigs, but one could not be certain that it was greater in the latter two groups. The coronary arteries of the scorbutic and scorbutic infected pigs frequently showed organised thrombi, but without evidence of infarction. Inflammation extending into the wall of the coronary artery was occasionally seen. Once, complete hyaline degeneration of the media of the coronary artery was seen (Group 4, Pig C).

The pigs were divided into six groups:—

GROUP 1

SCURVY ALONE

The seventeen pigs in this group received the basal diet, supplemented in eight cases by small doses of orange juice—never more than 2 c.cm. on alternate days. Two pigs (B and D), having received 4 c.cm. of orange juice on the twenty-first day, and 1 c.cm. on alternate days from then on, survived from 4½ and 7½ weeks respectively—the latter being killed. (The survival times are in all cases from the start of the experiment.) Four (A, C, L, and P) died within 2 weeks of starting the diet, while the remaining eleven died within 4 weeks.

The macroscopic changes found were the typical scorbutic lesions, hæmorrhages and congestion of the lungs (E and I), slight congestion of the liver (F, K, M, N, and O), and more marked congestion (O), fatty changes

FIG. 3.—Aortic valvulitis (subacute scurvy + *S. hæmolyticus*). (× 80.)

in the liver (G, K, M, O, P, and Q), and diffuse miliary pyæmic abscesses (J, L, N, O, P, and Q) affecting the liver, spleen, kidneys, and heart (J). The heart was enlarged in three (H, K, and L) and the mitral valve thickened and nodular in all except six (A, B, C, D, N, and O). The microscopic heart lesions are shown in Table I.

Organisms were present (though none had been injected) in 8 hearts; 4 of these (L, O, P, and Q) showed other evidence of autogenous infection—miliary pyæmic abscesses. In C they were large Gram-positive bacilli. In the rest they were Gram-positive cocco-bacilli, usually in pairs and sometimes showing polar staining (Fig. 6). In some hearts there were intense polymorph reactions around the organisms. In others, reactions and organisms were dissociated. The severest lesions were often in hearts entirely free from organisms (I, J, and N).

Lesions somewhat resembling Aschoff nodules were present in the myocardium of L, P, and Q, and at the A.V.J. in L and Q (Figs. 7, 9, and 10). These lesions were usually perivascular, with intramuscular exudate, endothelial cells, lymphocytes, fibroblasts, and a few

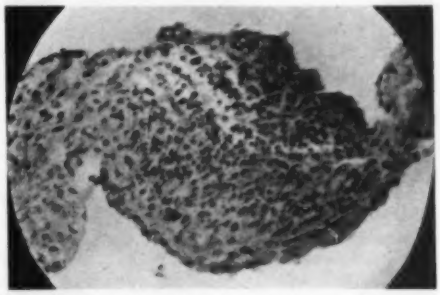

FIG. 4.—Mitral valvulitis (scurvy + *S. hæmolyticus*). (× 160.)

polymorphs, but no giant cells. Other myocardial lesions were two areas of necrosis 2 and 3 mm. across, with an intense inflammatory reaction around, but no organisms associated (J), perivascular polymorph infiltrations (J, Fig. 8), massive active inflammatory infiltration in the auricle (B, C, I, J, and Q), and large planes of endothelial cells, lymphocytes, and some polymorphs distending apparently the ventricular lymphatic vessels (L). Organised thrombi in the coronary artery at the A.V.J. were present in N, O, and P.

The mitral valves showed varying degrees of œdema between the fibres, exudate, hæmorrhage, and diffuse and localised cellular infiltration. In the diffuse infiltrations, the cells were endothelials, sometimes whorled around a small blood-vessel, and lymphocytes. The localised infiltrations (D, F, I, M, and Q) showed a necrotic centre with a polymorph reaction around, with some endothelials and lymphocytes as well. The valve endothelium was never destroyed and platelet deposits were absent. A mass of fibroblasts on the auricular surface of the valve was present in M.

GROUP 2

SCURVY PLUS S. HÆMOLYTICUS

For the first 3 weeks the eight pigs in this group received basal diet only and all developed well-marked clinical scurvy. From then on they were given 0·5 to 2 c.cm. of orange juice on alternate days, according to the severity

TABLE II—*Group 2*

Pig.	Myocardium.			A.V.J.		Mitral valve.		
	P.V. infn.	I.M. infn.	Organisms.	Infn.	Organisms.	Œdema	Infn.	Organisms.
A	−	−	−	−	−	−	−	−
B	−	+ + +	+ + +	+ + +	−	+	+ +	+
C	+	−	−	+ + +	+ +	−	+	+ +
D	+ +	+ + +	+ +	+ + +	+ +	+ +	+ + + +	+ + +
E	+	−	−	−	−	+ +	+ + + +	+
F	+	+	−	+	−	+ +	+ +	−

of their condition. G and H survived for 11 weeks, A for 7, B and D for 6, and the rest for 4–5 weeks. After 3½ weeks, 0·2 c.cm. of a 24-hour culture of *S. hæmolyticus* was injected intradermally; no local lesions developed.

The macroscopic changes found were the typical scorbutic lesions, acute mediastinitis (B and D), congestion of the liver and cardiac enlargement (G and H, the two

pigs which survived for 11 weeks), puckered nodular mitral valves with hæmorrhages (D, E, F, G, and H), and papillary hæmorrhages (D and F). The microscopic heart lesions are shown in Table II.

Organisms were present in four in considerably greater numbers than in the hearts of Group 1. In three the organisms were Gram-positive cocci in pairs or short

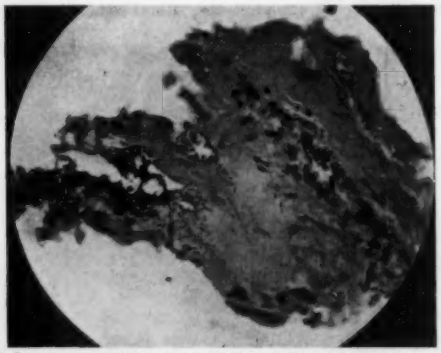

FIG. 5.—Gram-positive cocci in tip of mitral valve (scurvy + *S. hæmolyticus*). (× 250.) A dense mass of organisms is seen on the extreme left.

chains, morphologically identical with the injected streptococci. The remaining organisms were Gram-positive cocco-bacilli in pairs showing polar staining, similar to those found in Group 1. The mass of cocci in the valve of D is shown in Fig. 5. In C, cocci were present both in the folds of the valve surface and in the valve substance.

Small polymorph masses were present in the ventricular muscle of B, D, and F. B and D showed large acute inflammatory infiltrations in the auricular muscle. The mitral valves showed acute inflammatory nodules in D, E (Fig. 4), and F, while B and C showed diffuse infiltration only.

GROUP 3

NORMAL DIET PLUS S. HÆMOLYTICUS

The three pigs in this group received the basal diet plus 4 c.cm. orange juice daily. In the 8 weeks of the experiment their weights steadily increased from an average of 270 g. to an average of 490 g. After 3½ weeks, 0·2 c.cm. of a 24-hour culture of *S. hæmolyticus* was injected intradermally. No local lesions developed and the pigs continued to gain weight. After slaughter, one pig showed a chronic adhesive pericarditis, such as is commonly seen in controls (Schultz 1936a), and an organised thrombus in one coronary artery, but no organisms. There was no myocarditis or valvulitis. The other two pigs showed no abnormalities.

TABLE III—*Group 4*

Pig.	Myocardium.			A.V.J.		Mitral valve.		
	P.V. infn.	I.M. infn.	Organisms.	Infn.	Organisms.	Œdema	Infn.	Organisms.
A	+	−	−	+	−	++	++	+
B	+	−	−	+	−	+	−	−
C	+++	++	−	−	−	++	+++	++
D	+	+++	−	+++	−	+++	+++	++

GROUP 4

SUBACUTE SCURVY PLUS S. HÆMOLYTICUS

For the first 12½ weeks the pigs received 1 to 2 c.cm. orange juice on alternate days, hæmolytic streptococci being injected as before after 4 weeks. A died after 9 weeks, and B and D after 12 weeks. C was then given 4 c.cm. orange juice daily and it gained weight steadily for the next 5 weeks. It was then killed.

Post mortem A and B showed typical scorbutic lesions. The liver of C was very fatty (cf. Group 5). Those of A, B, and D had a typical nutmeg appearance, and histologically they showed intense congestion with fatty change. The lungs of B and D also showed marked congestion on histological examination. In all, the heart was greatly enlarged and the mitral valves thickened and nodular. In D, the aortic valve was nodular. The microscopic heart lesions are shown in Table III. The organisms in A were Gram-positive diplococci and in C and D Gram-positive cocco-bacilli in pairs with polar staining.

Lesions somewhat resembling Aschoff nodules were present at the A.V.J. of D. Organised thrombi were present in the coronary arteries of C and D. The valvulitis was localised in A, C, and D. The aortic valve of D showed an inflammatory mass composed of polymorphs, lymphocytes, and endothelial cells, the valve endothelium being intact (Fig. 3). C showed an inflammatory reaction in the intima and adventitia of the aorta.

TABLE IV—*Group 5*

Pig.	Myocardium.			A.V.J.		Mitral valve.		
	P.V. infn.	I.M. infn.	Organisms.	Infn.	Organisms.	Œdema	Infn.	Organisms.
A	+	+	−	+	−	++	+	−
B	+	++	−	+	−	++	+	−
C	++	++	−	++	−	++	+	−
D	+	+	−	+++	−	++	+++	−

GROUP 5

SCURVY PLUS S. HÆMOLYTICUS, FOLLOWED BY NORMAL DIET

The four pigs in this group received the basal diet only for 4 weeks. Organisms were then injected as in Groups 2, 3, and 4, and thenceforward the pigs received 4 c.cm. orange juice per day. All recovered from their scurvy and gained weight continuously for the remaining 15 weeks of the experiment. They were then killed. None showed signs of scurvy post mortem. The livers were very fatty, the hearts were all slightly enlarged, and the mitral valves were all nodular. The microscopic heart lesions are shown in Table IV. In C, the ventricular lymphatic

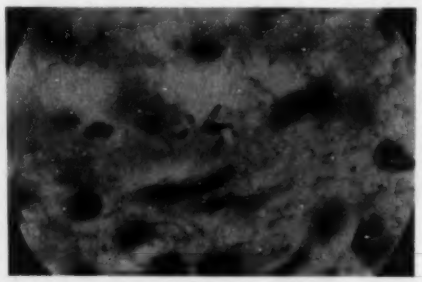

FIG. 6.—Gram-positive cocco-bacilli with polar staining in mitral valve (scurvy). (× 800.)

vessels were filled with cells as in 1L. Massive inflammatory infiltration of the auricle, mainly with endothelial cells, was present in C. The valvular infiltration was diffuse in A, B, and C and localised in D. The valvulitis was endothelial and in A, B, and D many fibroblasts were present. The valve of C contained an immense hæmorrhage. Acute inflammatory masses in the aorta were present in B (media) and C (adventitia).

GROUP 6

SCURVY PLUS S. VIRIDANS

The four pigs in this group received the basal diet for 3½ weeks. They were then injected intradermally with 0·2 c.cm. of a 24-hour glucose beef broth culture of

Streptococcus viridans. B developed a hæmorrhage at the site of injection. The others showed no local lesions. From then on the pigs received 2 c.cm. orange juice on alternate days. B died after 4 weeks, D after 5, and A after 6. C gained weight on this dose of orange juice, so it was reduced first to 1 c.cm., then to 0·5 c.cm. on alternate days. It died after 13 weeks.

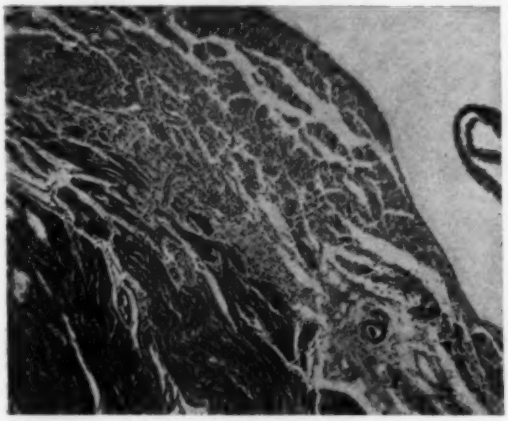

FIG. 7.—Aschoff-like area in myocardium (scurvy). (× 65.)

Post mortem A, B, and C showed typical scorbutic changes. C showed dilated auricles, congested lungs, and a nutmeg liver, the congestion and fatty change being confirmed histologically. A showed slight congestion of the liver on histological examination only. D showed miliary abscesses of the liver and spleen. All hearts showed puckered nodular mitral valves. The microscopic heart lesions are shown in Table V. Gram-positive diplococci were present in the myocardium of B, associated with a small polymorph abscess. The valve of C (Fig. 2) contained two short chains of streptococci and a few Gram-positive coccobacilli in pairs with polar staining. D showed Aschoff-like areas at the A.V.J. The valvular infiltration was localised in A and C, and in C—the most chronic case—endothelial cells and fibroblasts predominated.

TABLE V—*Group 6*

Pig.	Myocardium.			A.V.J.		Mitral valve.		
	P.V. infn.	I.M. infn.	Organisms.	Infn.	Organisms.	Œdema	Infn.	Organisms.
A	−	++	−	+	−	+++	+++	−
B	+	+	++	+	−	+	+	−
C	+	++	−	−	−	+	++++	+
D	+++	+++	−	+++	−	+++	+	−

Discussion

The findings in the six experimental groups are summarised below.

Scurvy alone.—In the absence of extraneous infection, scurvy leads to valvulitis and myocarditis with acute and subacute inflammatory foci. Gram-positive cocci or bacilli were present in half the diseased hearts, but many of the severest lesions showed no organisms.

Scurvy plus intradermal hæmolytic streptococcal infection leads to heart lesions differing in no essential way, either in incidence or histology, from those seen in scorbutic pigs not so infected. Two-thirds of the hearts showed organisms, and they were more numerous than in the scorbutic hearts—but one group of organisms was definitely not streptococcal. The two pigs which lived in subacute scurvy for the last 7 of their 11 weeks both showed enlarged hearts and very congested livers.

Intradermal hæmolytic streptococcal infection in non-scorbutic pigs does not result in the characteristic heart lesions seen in scorbutic pigs.

Subacute scurvy plus intradermal hæmolytic streptococcal infection leads to heart lesions similar to those seen in acutely scorbutic infected pigs, but the hearts of these pigs were large, and the livers and lungs showed much venous congestion. The livers also showed fatty changes. A chronic congestive cardiac failure appears to have been produced. The one pig which spent the last 5 weeks of its life on an adequate diet showed no venous congestion, and although there was no antemortem debility—it was killed in apparent good health—its mitral valve contained organisms.

A full antiscorbutic diet, started immediately after intradermal hæmolytic streptococcal infection, did not cure the cardiac lesions. These showed evidence of chronicity, in the absence of polymorphs and the abundance of endothelial cells, lymphocytes, and fibroblasts. The full diet appeared to free the valves from organisms and prevent the development of congestive failure.

Scurvy plus intradermal Streptococcus viridans *infection* results in cardiac lesions which do not differ from those seen in scorbutic pigs with or without extraneous hæmolytic streptococcal infection. Two hearts showed organisms morphologically identical with those injected, but the second also showed diplo-cocco-bacilli with polar staining. Once again, subacute scurvy was associated with passive venous congestion.

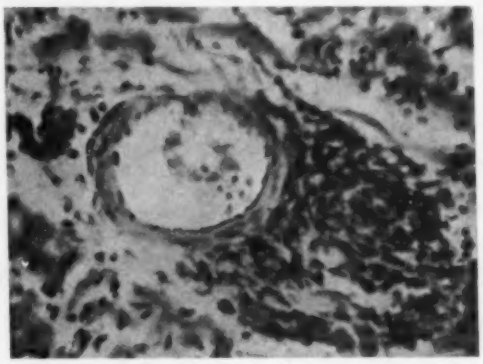

FIG. 8.—Perivascular infiltration (scurvy). (× 160.)

CAUSE OF THE CARDITIS

The carditis may be due to scurvy alone, to scurvy plus autogenous infection, or to scurvy plus extraneous experimental infection. Since the lesions were as common in scorbutic pigs as in scorbutic experimentally infected pigs, the first or second explanation must be true, though this does not exclude the third possibility.

The lesions occurred in 16 pigs in which no organisms were found. But, as only about 60 of the 500 sections from each heart were examined, it is quite possible that organisms were missed. Organisms were present in 8 out of 17 scorbutic pigs with lesions, and in 9 out of 13 scorbutic experimentally infected pigs with lesions. Further, organisms were present

in much greater numbers in the second group. Of the scorbutic pigs, 1 showed Gram-positive bacilli, while 7 showed Gram-positive cocco-bacilli with polar staining. Of the scorbutic experimentally infected pigs, 5 showed Gram-positive cocci in pairs or chains, while 4 showed Gram-positive cocco-bacilli with polar staining.

If the lesions represent the response of the scorbutic heart to infection, it appears that the infection is in no way specific. Bacilli and cocco-bacilli are just as, if not more, important than streptococci.

The frequent dissociation of lesions and organisms suggests that they may be a non-causative secondary infection. The occurrence of organisms in a recovering pig (4C) is against their being a terminal infection.

Conclusions.—The one specific factor associated with the cardiac lesions is scurvy. Extraneous infection increases neither the incidence nor the severity of the lesions. The lesions sometimes contain organisms, even in pigs not experimentally infected. Organisms are more frequently seen after extraneous experimental infection. The infection does not appear to be a terminal one, but it may well be a secondary phenomenon of no importance.

COURSE OF THE DISEASE

All the 6 pigs with subacute or chronic scurvy showed considerable congestion of the lungs and liver, with fatty changes in the liver. Of the rest, 1 showed moderate hepatic congestion and 6 slight. Apparently the scorbutic carditis, if allowed to become chronic, results in congestive cardiac failure.

Clinical cure of scurvy in 5 pigs did not result in the disappearance of the cardiac lesions. It seems that once the heart is damaged, vitamin C will not

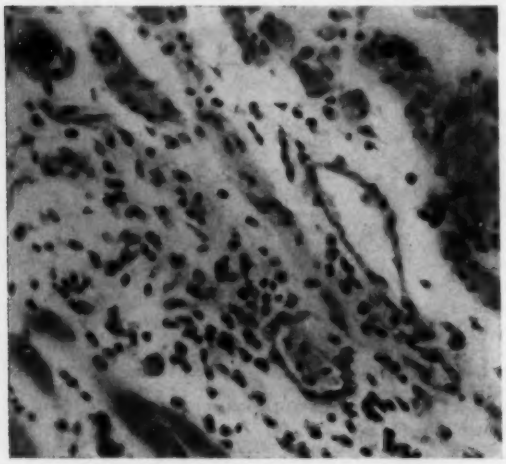

FIG. 9.—Enlarged view of Fig. 7. (× 400.)

cure it, though it does prevent the development of congestive failure.

RELATION OF LESIONS TO RHEUMATIC CARDITIS

Grant (1936) has pointed out that there is nothing specific for rheumatic fever in the tissue reaction seen in the heart. All the cells seen in the Aschoff's nodules are met with in infections from other causes; for example, the large mononuclear and multinuclear cells are seen in the vegetations of subacute bacterial endocarditis. But in no other disease do we find these small foci distributed throughout the fibrous framework of the heart and its coverings, and other parts of the body. Experimental rheumatic fever should therefore show not only Aschoff's nodules but also these nodules characteristically distributed. This scorbutic carditis cannot claim to do.

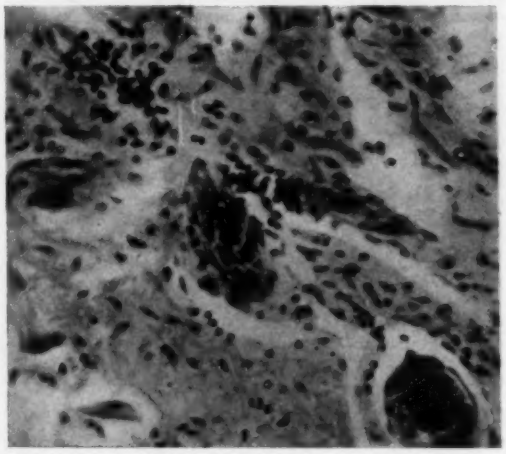

FIG. 10.—Aschoff-like area at auriculo-ventricular junction (scurvy). (× 400.)

Myocardial lesions.—The commonest sites of inflammation in the scorbutic pigs were at the base of the interventricular septum and the origins of the papillary muscles, both common sites for Aschoff's nodules. But in rheumatic fever the nodules are also distributed diffusely throughout the ventricular myocardium, and this was never seen in the pigs.

Lesions bearing some morphological resemblance to Aschoff's nodules were seen in 5 hearts (3 in the myocardium and 4 at the A.V.J.). These lesions were usually perivascular or near arterioles. They showed much intramuscular exudate, in the early stages a polymorph reaction, and in the later stages endothelial cells, lymphocytes, and fibroblasts. Giant cells were never seen. But many of the myocardial lesions bore no resemblance whatever to Aschoff's nodules, for example, the huge areas of necrosis in 1J, the frequent small polymorph abscesses in the ventricles, and the massive polymorph infiltrations in the auricles. The infiltration of the lymphatic vessels with cells (1L and 5C) is sometimes seen in rheumatic carditis but is not specific (Grant 1936). Bacteria in rheumatic carditis are, to say the least, rare. Klinge and McEwen (1932) made complete serial sections through rheumatic hearts. Bacteria were occasionally seen, but their position and pleomorphism suggested that they were of no ætiological significance.

Valve lesions.—The valves attacked in the scorbutic pigs were the mitral and rarely the aortic. In rheumatic fever the aortic valve is attacked in a somewhat higher proportion of cases. The valvulitis in the pigs was similar to the rheumatic valvulitis, but polymorphs were perhaps more abundant. New blood-vessels with whorling of the endothelial cells around, such as are seen in rheumatic valvulitis (Coombs 1924), were common. Vegetations were, however, never seen. But, very rarely, rheumatic valvulitis occurs without the formation of vegetations (Grant 1936). The valvulitis is the essential feature and the vegetations are secondary. Organisms are not seen in rheumatic valvulitis. In

scorbutic valvulitis they are frequently present, sometimes in large numbers. Yet the valvulitis bore no morphological resemblance to human bacterial endocarditis.

Aortic lesions.—The aorta in the scorbutic pigs sometimes showed polymorph infiltrations. These are sometimes seen in human rheumatic carditis (Coombs 1924, Shaw 1929).

Conclusions.—The lesions in scorbutic carditis are those of non-specific inflammation. In so far as rheumatic carditis shows non-specific inflammation, they can be said to be similar. But that is all. The scorbutic lesions often bear no resemblance to rheumatic lesions, and bacteria are frequently present in the scorbutic lesions. However, neither clinically nor morphologically does scorbutic carditis resemble human bacterial endocarditis.

RHEUMATIC CARDITIS AND VITAMIN C

Rinehart (1935) has pointed out that scurvy and rheumatic fever both show joint lesions, a degeneration of the collagenous tissues, and hæmorrhagic manifestations. Geographical, social, environmental, and seasonal incidences show no convincing correlation. Warner, Winterton, and Clark (1935) found no lack of fresh fruit and vegetables in rheumatic children, but, at Christ's Hospital, an increase in consumption was associated with a fall in rheumatic fever :—

Years ..	1918–22	1923–27	1928–32
Consumption of fresh fruit and vegetables per day	0·21 lb. ..	0·29 lb. ..	0·41 lb.
Cases of rheumatic fever..	19 (2·4%) ..	9 (1·1%) ..	6 (0·75%)

But in the first five-year group the children had no fresh butter, less total protein and fat, and more carbohydrate.

Perry (1935) examined the vitamin-C reserves in 5 active and 6 quiescent children, and concluded that lack of vitamin C is not an important factor in the cause of acute rheumatism, though mild degrees of this deficiency are not uncommon in rheumatic children.

Sendroy and Schultz (1936) found an apparent ascorbic-acid deficiency in 8 out of 13 rheumatic children, but in only 2 of these could it be ascribed to a poor diet. The others vomited the test doses or failed to absorb them. They considered that their results did not support the C-lack hypothesis.

Schultz (1936b) found that large doses of ascorbic acid reduced the capillary fragility in 28 children with old rheumatism but did not reduce the incidence of recurrent rheumatic manifestations. This seems to show that the rheumatic children were not completely saturated with vitamin C.

Abbasy, Hill, and Harris (1936), using 107 active rheumatics, 88 convalescent rheumatics, 64 controls, 42 cases of active and half-active surgical tuberculosis, and 46 quiescent cases, found a striking decrease in vitamin-C excretion in the active and convalescent rheumatics and in the cases of active tuberculosis. The cases of quiescent tuberculosis gave normal excretions. Further, it was extremely difficult to saturate the rheumatic children with vitamin C. They conclude that there is in rheumatic fever a greatly increased metabolic use of and need for vitamin C. They accordingly recommend large amounts of vitamin C, both therapeutically and prophylactically.

In the unlikely event of there being any direct relation between human rheumatic fever and the scorbutic carditis of pigs, the results described in this paper would suggest that vitamin C is of the greatest prophylactic value, but of less use therapeutically. Once the scorbutic carditis has been produced, cure of the scurvy has no effect on the appearance of the heart lesions, though it does prevent the development of congestive failure. Further, a mild degree of scurvy (plus infection) is enough to produce the carditis, so that the absence of frank scurvy in rheumatic children does not exclude the possibility of a relationship.

Summary

1. Guinea-pigs suffering from scurvy show in their hearts valvulitis, myocarditis, and occasionally pericarditis, often associated with Gram-positive organisms, even when none has been injected.

2. The lesions are commonest in the mitral valve, the auriculo-ventricular junction, the perivascular areas in the myocardium, and the papillary muscles.

3. In the acute lesions polymorphs predominate; in the chronic lesions, endothelial cells, lymphocytes, and fibroblasts. Exudate is usually present. Giant cells and vegetations are never seen.

4. The lesions resemble those seen in rheumatic carditis only in that they are both a diffuse non-purulent carditis, without gross valvular vegetations.

5. The intradermal injection of hæmolytic or green streptococci in scorbutic guinea-pigs does not increase the incidence or severity of the lesions, but does increase the incidence with which organisms are found in the heart.

6. Organisms are found in the mitral valves, the auricular and ventricular muscle, and the auriculo-ventricular junction. They are Gram-positive bacilli, cocco-bacilli in pairs showing polar staining, and, when these have been injected, streptococci. They were not recovered by heart culture. They are usually, but not always, associated with lesions, but many of the largest lesions contain none. This autogenous or extraneous infection of the heart is probably not terminal, but may be secondary and unimportant in causing the lesions.

7. Infected guinea-pigs with mild subacute scurvy show similar lesions.

8. Infected guinea-pigs kept in a state of subacute scurvy for a considerable time develop congestion of the lungs and liver, the latter having a nutmeg appearance.

9. Once the heart lesions have developed, curing the scurvy will not remove the lesions, though it does prevent the development of congestive failure.

I have to thank Prof. S. J. Cowell, Prof. O. L. V. de Wesselow, and Dr. J. Bamforth for their criticism and encouragement, and A. James and E. J. Lucas for their help with the animals and the histological work. The Marmite Food Extract Company kindly supplied dried yeast for the animals' diet free of charge.

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TUBERCULOUS GLANDS OF THE NECK IN CHILDREN

RESULTS OF SURGICAL TREATMENT

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Recent articles and correspondence in the medical journals have painted a gloomy picture of the surgical treatment of tuberculous glands of the neck. Dr. Brian C. Thompson, district tuberculosis officer, seems to have been peculiarly unfortunate in his experience and has condemned the radical surgical treatment wholeheartedly (*Lancet*, 1936, **1**, 946; *Brit. med. J.* 1936, **2**, 584). After personal observation of 44 cases, representing 55 radical operations, he found that there was a gross, palpable, local recurrence in 50 cases. Of 36 patients, 18 had a persistent discharging sinus. Of 43 cases, in 21 the scars were bad. Results such as these are grievous indeed and would certainly condemn the surgical treatment of tuberculous glands of the neck, if this were the general experience of surgeons accustomed to deal with large numbers of these cases.

These findings were so completely at variance with my own experience that I determined to check my position and see exactly what my results had been at the Hospital for Sick Children, Great Ormond-street, over a period of years. In a children's hospital with an age limit of 12 a prolonged follow-up is difficult, but with the aid of an efficient almoner's department I was able to trace 95 cases from a consecutive list of 133 radical operations. Of the 95 cases traced, I have personally examined 89. The patients were examined in my out-patient clinic and the visiting post-graduate and undergraduate students served as a jury in assessing the cosmetic and general results of the operation.

In estimating the success of any method of treatment, the essential points to be determined are: (1) the mortality; (2) the cure of the disease; (3) any deformity due to the operation, structural damage, and scarring; (4) the time taken to effect a cure. The results in this series were as follows:—

(1) *Mortality.*—There was no operative mortality. Ninety-four of the 95 patients traced were alive and well. One patient had died three years after the gland operation from mastoiditis and streptococcal meningitis. It has been suggested that generalised tuberculosis sometimes follows the excision of tuberculous glands of the neck. I have never seen this, but I have notes of 2 cases in which scraping of a tuberculous abscess was followed by tuberculous meningitis.

(2) *Cure of the disease.*—Only 1 case required any further treatment. Eleven patients had slightly enlarged glands in a different part of the neck from the original operation, but the patients were not aware of them. They were all in perfect general health.

(3) *Deformity.*—This may arise from *nerve injury* or from *scarring*. In no case was there any injury to any nerve. As to scarring as critical an attitude as possible was adopted in estimating the amount of deformity. It was decided that *good* should mean a scar that was invisible or could just be detected on close inspection. *Fair* should denote a scar that could be seen but not be considered a disfigurement. Such a scar would be in the line of one of the neck creases, but a little broad or a little thickened. *Poor* should include the others—scars (puckered, irregular, or broad), not in one of the natural creases, scars that made it at once apparent that an operation had been performed on the neck. Many of the patients were photographed as a record and these photographs can be inspected by anyone interested in examples of what was judged good, fair, and poor.

Good.—Of the 65 patients considered good, in 26 the scar was practically invisible.

Fair.—20 patients.

Poor.—The 4 patients in this category had suffered from severe skin infection and sinuses before coming to operation.

(4) *Time taken to effect a cure.*—The average stay in hospital was 22 days. Three had had a discharging wound after operation.

DISCUSSION

In the consideration of these results, it must be remembered that the majority of the glands were caseous; 30 of them were complicated by an abscess and 10 by sinuses—the result of no treatment or treatment elsewhere. Extensive involvement of the skin makes a good cosmetic result difficult. They were nearly all instances of primary pharyngeal infection and therefore presumably bovine in origin. The tonsillar gland was usually the first infected, and removal of the tonsils formed part of the treatment. All the patients were children. In these respects this series may differ from patients of all ages in tuberculosis dispensaries, where general infection and infection by the human bacillus may be more prevalent.

It is not my intention in this short paper to criticise closely alternative methods of treatment. Syrup ferri iod., various tuberculin, X rays and radium, actinotherapy of different kinds have their convinced supporters who will probably remain convinced of their efficacy. The variety alone of the therapeutic measures indicates some weakness in position. Moreover, there are certain obvious disadvantages. Non-surgical treatment may have to be prolonged for months or years. In this series treated by dissection the average stay in hospital was 22 days, and the patients could then be considered cured. The presence of discharging sinuses in ambulatory patients cannot be considered healthy for the community. It would not be tolerated in the circles from which private patients are drawn. After dissection only 3 of 89 patients had a discharge from the wound after operation, which persisted a few weeks in one case, 2 months in another, and 6 months in the third.

SURGICAL MANAGEMENT

The surgical management of a tuberculous gland in the neck should be, in brief, as follows:—

When the patient is first seen, a thorough search is made for any focus of infection. From the anatomical situation of the gland, it is usually possible to deduce the portal of entry—tonsils, adenoids, scalp, teeth, or ears—and the appropriate treatment, if necessary, is instituted. Rest is enjoined, in mild cases by splinting the neck, in severer cases by recumbency. A convalescent home may be desirable. Every measure is taken to improve the general resistance of the patient. The glandular enlargement is watched and many will recede and disappear under this treatment. The simple gland, due to a septic infection alone, will certainly subside. If the gland persists after 3 months of general treatment, or if at any time it shows signs of softening or enlargement, it should be excised. The removal of a tuberculous gland intact leaves an invisible scar and terminates the illness. If the patient is seen for the first time with the glands caseous, with deep or superficial abscess formation, excision is still the best treatment. Incision and aspiration lead to infection of the skin and a sinus in most cases. A superficial abscess, provided that the skin is not too widely involved, is no contra-indication to operation.

Removal of all the underlying glands from which the abscess has arisen leads to a speedier cure. All the glands in the affected area can and should be dissected out. If every visible gland is removed, there will be no local recurrence. It has been often remarked that the operation is not one to be undertaken lightly, and should not be relegated, as so often in the past, to a new house surgeon for a minor surgical exercise. It requires good anæsthesia, good light, and adequate assistance. Under these conditions the surgical removal of tuberculous glands of the neck by dissection is one of the most satisfactory operations in surgery.

I am greatly indebted to Mr. John Semple, F.R.C.S., surgical registrar to the hospital, for the great trouble he has taken in collecting these cases and checking my observations.

THOROTRAST AS A CONTRAST MEDIUM

A CASE REPORT

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RADIOLOGICAL ASSISTANT AT THE LONDON HOSPITAL

WE have observed the use and effects of Thorotrast in a case in which a detailed post-mortem examination was made, and we think it may be useful to place our investigations on record.

Thorotrast is absorbed by the reticulo-endothelial system and is radio-opaque, so that it makes the liver and spleen visible on radiography. It is described by the manufacturers as a highly dispersed thorium dioxide sol, containing 25 per cent. of thorium dioxide, and "miscible under any conditions with body fluids without flocculence."

CLINICAL RECORD

The patient was admitted to Queen Mary's Hospital, Stratford, on Oct. 5th, 1934. His age was 58 and he had been quite well until June, 1934, when he had an attack of "pleurisy" for which he had a week in bed. Six weeks later he thought he had a swelling in the right upper abdomen. His appearance was fairly healthy, but his speech and mental processes were slow. His teeth were carious and there was a good deal of pyorrhœa. The tonsillar glands were enlarged. The lungs, nervous system, and heart showed no abnormal physical signs apart from frequent extrasystoles. The liver, however, was greatly enlarged, reaching to within one inch of the umbilicus, and there were three elastic swellings palpable near the lower margin. No free fluid was apparent in the abdominal cavity. In the out-patient department a tentative diagnosis of secondary malignant disease of the liver had been made, but a barium-meal examination performed on Sept. 20th did not indicate malignant disease of the stomach.

Pathological investigations.—A blood count (Oct. 5th) showed 13,200 white cells per c.mm., with polymorphs 64 per cent., lymphocytes 29 per cent., monocytes 5 per cent., eosinophils 1 per cent., and basophils 1 per cent. (count of 300 cells). There was moderate anisocytosis (microcytosis without megalocytosis) and some pallor of the red cells; also occasional poikilocytosis and polychromasia. The blood Wassermann reaction was negative, and the complement-fixation test against echinococcus antigen was also negative. An examination of the urine (Oct. 10th) showed albumin, +; sugar, 0; there were a few white cells and epithelial cells, but no casts or crystals. *B. coli* was grown in culture. A test for occult blood in the fæces was positive.

Course of illness.—On Oct. 13th the patient developed some coryza with pyrexia. For the next fortnight his condition remained about the same, with a slight rise in the evening temperature. It was then decided to give 75 c.cm. of thorotrast in three doses of 25 c.cm. on alternate days. No ill effects were noticed after the first injection on Oct. 29th, but after the injection on Nov. 2nd the patient complained of headache and the temperature rose to 101° F. in the evening. Various X ray photographs were taken on Nov. 1st, 3rd, 5th, and 6th. On Nov. 13th a barium-meal radiogram showed a large growth of the stomach, extending into the liver near the cardia. The patient's condition on the 17th was now changing for the worse, and on the 18th he had a hæmatemesis of four ounces. On Nov. 19th he had obvious melæna. From that time he became progressively weaker and he died on Dec. 3rd.

Summary of X ray reports.—As already stated, a barium-meal examination on Sept. 20th produced no certain evidence of carcinoma of the stomach. On Oct. 10th the chest and large bowel were also examined without positive result. In making the thorotrast investigations the technique adopted was that described by Porritt (1934). The full course of 75 c.cm. was given. Twenty-four hours after 25 c.cm., the liver shadow appeared well defined and already showed large circular non-opaque areas. Maximum definition of these areas was attained on the films taken 72 hours after 75 c.cm. had been injected. These appearances were taken to be conclusive of metastases in the liver. On Nov. 13th the stomach was again investigated and the film now gave convincing evidence of a new growth of the cardiac end.

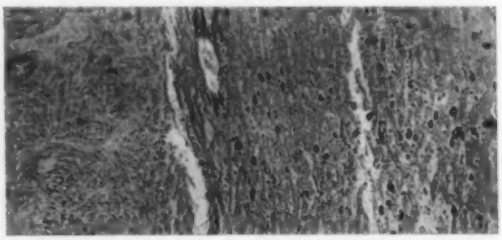

FIG. 1.—Section of liver with secondary growth. The right part of the section shows the liver tissue and the distended Kupffer cells packed with thorotrast. The tumour cells on the left contain no thorotrast. (× 100.)

POST-MORTEM FINDINGS

Large ulcerated growth in the stomach, perforating into the "lesser sac" of the peritoneum, with localised peritonitis; massive secondary growths in the liver and gastrohepatic lymph glands; small secondary growths in the kidneys.

On section the growth proved to be a spindle-celled sarcoma of uniform structure throughout, both in the primary and in metastases. Thorium was present in the reticulo-endothelial cells of all tissues and was almost confined to these cells, except for a little in some endothelial cells and fibroblasts in inflamed tissue (lesser sac). The Kupffer cells of the liver showed the largest amount of thorium (Figs. 1 and 2), with the spleen, bone-marrow, and lymph glands following in that order. There was almost none in the liver cells, and none in the tumour cells (Fig. 2). In the lungs thorium was present only in one of the two phagocytes in the alveolar lumina.

There was much proliferation of the Kupffer cells of the liver and of the reticulo-endothelial cells of the spleen. A few of the thorium-containing cells in the latter were apparently disintegrating.

DISCUSSION

The immediate after-effects of thorotrast in this case are difficult to assess since the patient was gravely ill before the injection; but at least no important immediate harm was done. The radiograms obtained with it made the diagnosis of secondary malignant disease definite, although the diagnosis would have been established in any case by the second barium meal; but where the clinical evidence of secondary growth from say a primary stomach

or bowel neoplasm is non-existent, thorotrast would be useful.

The pathological evidence in this case confirms previous observations that the reticulo-endothelial system is the main site of storage of thorotrast. Five weeks after injection the substance was present in only trifling quantities in other tissues and at that date the amount even in the liver parenchyma was very small. The histological picture described suggests some damage to cells of the system together with some proliferation. The rate of elimination is obviously extremely important in considering the possible risks in the use of thorotrast. The present case can do no more than indicate that apparently very little elimination occurred in five weeks. Examination of the various possible excretory tissues revealed scarcely any thorium. The largest amount was

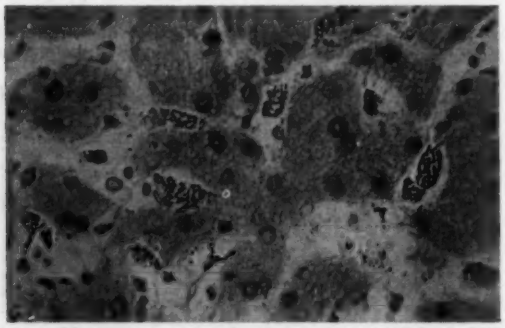

FIG. 2.—Section of liver showing Kupffer cells distended with thorotrast. The actual liver cells contain no thorotrast. (× 425.)

found in the lungs, but even here the quantity was very small. If this be the main or only route of excretion it seems likely that complete elimination would take a very long time.

CONCLUSIONS

(1) In the single case recorded thorotrast was useful for the radiological demonstration of a gross hepatic lesion. (2) It produced no serious immediate reaction. (3) On the other hand the post-mortem findings suggested damage to the reticulo-endothelial system and very slow elimination. (4) We are not satisfied therefore that the use of this substance is desirable.

We are indebted to Dr. John Gray (late director of pathology and Lyle Research Scholar at Queen Mary's Hospital, Stratford) for the pathological examinations and photomicrographs.

REFERENCE

Porritt, A. E. (1934) *Proc. R. Soc. Med.* **27**, 1295.

ACUTE DACRYOADENITIS

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Inflammation of the lacrymal gland, whether acute or subacute, is so extremely rare that I am recording the following case:—

A girl, aged 8, presented herself at the casualty department of the Princess Louise Hospital on Jan. 25th, 1937, with pain and swelling in the region of the left eye. Two days previously the parents had noticed that the upper lid of the left eye was slightly swollen, although the child herself did not complain. This state continued until the following night when the child did not sleep owing to intense pain. In the morning as the swelling was considerable and the pain persisted, she was brought to hospital. Both left eyelids were swollen and it was almost impossible to open them because of tenderness on pressure, especially over the outer half of the upper lid. The palpebral conjunctiva was slightly injected and there was some chemosis. The temperature was normal. The parents refused to allow the child to be admitted to hospital so she was treated in the out-patient department by instillation of Argyrol 25 per cent. twice daily and frequent hot fomentations. After two days the swelling was reduced sufficiently to allow of more thorough examination. By this time the swelling appeared to be greatest in the outer half of the upper lid. There was tenderness on pressure over this area and a nodular mass could be felt projecting from beneath the outer angle of the orbit. With the eye open the edge of this mass could be seen. Chemosis was now conspicuous and movements of the eye itself were limited in all directions. There was no proptosis. A diagnosis was made of acute dacryoadenitis.

The parents now allowed the child to be admitted to hospital (Jan. 27th). A swab was taken and the Koch-Weeks bacillus found. Argyrol was discontinued, hot fomentations were applied every two hours, and the eye washed regularly with weak saline. This was continued for four days without much improvement. The treatment was then changed to instillation of argyrol 25 per cent. twice daily, hot fomentations, and washing with oxycyanide of mercury 1 in 10,000 every four hours. After several days on this routine there was definite improvement. Pain and tenderness disappeared though the gland was still palpable. The fomentations were then discontinued and the eye only bathed with oxycyanide of mercury three times daily till Feb. 7th when the patient was discharged with no signs or symptoms. The temperature had remained normal throughout. The condition thus resolved within a fortnight of its onset without suppuration.

I am indebted to Mr. A. E. A. Loosely, ophthalmic surgeon to the hospital, for permission to publish this case.

ORAL ADMINISTRATION OF STOVARSOL IN CASES OF NEUROSYPHILIS CERTIFIED AS INSANE

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Very little has been written about the use of Stovarsol by mouth in the initial treatment of general paralysis of the insane; only 3 cases have been recorded (Cady and Aitken 1933), and in these a mercury preparation was also given. Promising results in this disease, however, following injections of the sodium salt, have been described by several authors, notably Sézary and Barbé (1930, 1936).

Stovarsol, first discovered by Ehrlich, is a pentavalent arsenical which can be given in tablets by mouth, or by injection of the sodium salt. It is a preparation of 3-acetylamino-4-hydroxyphenylarsonic acid which is made in this country by Messrs. May and Baker. Other preparations of the same compound are sold in England under the synonyms of Kharophen (Burroughs Wellcome), Orarsan (Boots), and Spirocid (Bayer). It is also referred to as acetarsol (British Pharmacopœia Addendum 1936), Ehrlich 594, Fourneau 190, Acetarsone, Goyl, Acetphenarsine, Orsarsol, Osvarsan, Paroxyl, Stovarsolan, Dynarsan, Arsaphen, and Ovalcid. We give it the name stovarsol here because the May and Baker preparation was used throughout, having been supplied gratis by the makers for clinical trial.

In the title of this paper caution has been taken in the definition of the disease concerned. A certified

TABLE SHOWING SEROLOGICAL AND CLINICAL RESULTS OF TREATMENT OF G.P.I. BY STOVARSOL

Sex; age on admission.	Dates of lumbar puncture.	No. of 4-grain tablets.	W.R. (C.S.F.).	Pandy, protein per cent.	Lange.	Cells.	Clinical notes.
M., 40	June 25th, 1936	—	+ + +	0·06	5554310000	8	Duration "several weeks." Chinese. Elated, garrulous and restless on admission. Settled down and became a useful ward-worker.
	July 20th, "	60	+ + +	0·06	5555433200	5	
	Aug. 6th, "	28	+ ½	0·04	5544210000	4	
	" 17th, "	28	+ + +	0·04	5444210000	4	
	" 31st "	28	+ + ½	0·035	5543200000	3	
	Sept. 14th, "	28	+ + +	0·03	4432100000	4	
	" 29th, "	28	+ + +	0·03	0001321000	4	
	Nov. 10th, "	84	+ +	0·035	2453210000	2	
	" 25th, "	28	+ +	0·03	5554431100	4	
	Dec. 7th, "	28	+ +	Blood	5555432000	Blood	
	" 22nd, "	28	+ +	"	5555430000	"	
	Jan. 19th, 1937	56	+ + ½	0·04	5555421000	4	
	Feb. 1st, "	28	+ +	0·03	4443210000	2	
M., 40	July 9th, 1936	—	+ + +	0·03	5554321000	16	History 2 months. Melancholic, suicidal, confused, and exhibiting mannerisms on admission. Recovered except for hypochondriacal symptoms. Became a very useful worker and was given ground parole. (Now on malarial treatment.)
	Aug. 6th, "	70	+ + +	0·035	5555432100	8	
	" 18th, "	35	+ + +	0·04	5554321000	10	
	" 27th, "	25	+ + +	0·04	5544321000	9	
	Sept. 14th, "	35	+ + +	0·04	5543220000	8	
	" 28th, "	35	+ + +	0·045	5555421000	6	
	Nov. 9th, "	63	+ + +	0·035	5555543200	4	
	" 23rd, "	35	+ + +	0·04	5555531000	5	
	Dec. 17th, "	56	+ + +	0·035	5555531000	4	
	Jan. 4th, 1937	35	+ + +	0·04	5555431000	3	
M., 44	Dec. 11th, 1936	—	+ + +	0·14	5555555443	80	History 5 months. Improvement in gait and speech. Stopped being noisy at night, but otherwise no mental change.
	" 22nd, "	32	+ + +	0·14	5555554310	16	
	Jan. 14th, 1937	39	+ + +	0·09	5555554200	15	
	Feb. 1st, "	40	+ + +	0·08	5555431000	10	
F., 43	Nov. 27th, 1936	—	+ + +	0·10	5555554310	72	Slight mental and physical improvement.
	Jan. 21st, 1937	60	+ + +	0·085	5555542100	6	
M., 37	Jan. 13th, 1936	—	+ + +	+ +	5555311000	42	History 3 months. Grandiose, acutely hallucinated, and very restless on admission. Settled down and became a useful worker, but is still hallucinated. He is a native of Africa, and malarial inoculation on July 10th, 1936, failed to take after 4 weeks, during which period no stovarsol was given.
	" 20th, "	33	+ + +	+ +	5555542000	36	
	Feb. 3rd, "	35		Blood	5554320000	Blood	
	" 17th, "	35	+ + +	+	5542110000	12	
	Mar. 2nd, "	35	+ + +	+ +	5544210000	8	
	" 16th, "	35	+ + +	+ +	5443200000	6	
	" 30th, "	23	+ + +	+ +	5442100000	6	
	April 14th, "	35	+ +	+	5542100000	5	
	" 27th, "	35	+ + +	+	5543100000	3	
	May 13th, "	35	+ + ½	+	5544320000	5	
	" 25th, "	35	+ + ½	+	5443210000	7	
	June 22nd, "	70	+ + +	+	4432110000	2	
	July 6th, "	35	+ + ½	+	5433210000	3	
	" 28th, "	—	+ + ½	+	5433200000	10	
	Aug. 17th, "	35	+ + +	+	5433210000	5	
	" 31st, "	35	+ + +	+	5543100000	4	
	Sept. 14th, "	35	+ + +	+	0123100000	2	
	" 28th, "	35	+ + +	+	0014320000	2	
	Nov. 9th, "	105	+ + +	+	5555442100	4	
	" 23rd, "	11	+ + +	+	5555421000	3	
	Dec. 21st, "	35	+ + +	+	5555541000	2	
	Jan. 19th, 1937	70	+ + ½	+	5554210000	2	
	Feb. 1st, "	35	+ + +	+	5555410000	3	
M., 49	Sept. 2nd, 1936	—	+ + +	0·06	5555421000	30	History 2½ months. Slight mental and physical improvement during period of oral treatment. Stovarsol eventually stopped owing to diarrhœa, but he subsequently tolerated injections of the sodium salt and further improvement was obtained. First two "punctures" were cisternal.
	" 28th, "	84	+ + +	0·045	0001321000	13	
	Nov. 4th, "	52	+ + +	0·035	5544311000	4	
	" 25th, "	8	+ + +	0·04	5554431000	30	
	Dec. 7th, "	7	+ + ½	0·05	5555431000	8	
M., 34	Dec. 21st, 1936	—	+ + +	0·11	5555554310	9	History 6 weeks. Improving.
	Jan. 19th, 1937	68	+ + +	0·08	5555432000	6	
	Feb. 1st, "	28	+ + +	0·035	5555420000	11	
M., 52	April 22nd, 1936	—	+ + +	+ + +	5555543100	40	4 months' history characterised by seizures. Restlessness and other acute symptoms rapidly subsided, and his speech, gait, and writing improved, but there was a residual dementia and fits recurred. Subsequent malarial treatment was followed by a cessation of the fits but he remained partially demented.
	May 6th, "	51	+ + +	+ +	5555431000	28	
	" 21st, "	47	+ + +	+ +	5544310000	8	
	June 8th, "	28	+ + +	+	5443310000	12	
	" 22nd, "	28	+ + +	+ +	1123210000	15	
	July 6th, "	28	+ + ½	+	0123110000	9	
	Aug. 6th, "	56	+ + +	+	5321000000	5	
	" 20th, "	28	+ −	+	5432110000	7	
	" 31st, "	28	+ + ½	+	1121100000	2	
	Sept. 14th, "	28	+ + +	+	0001100000	2	
	" 19th, "	28	+ + ½	+	0000210000	3	
M., 47	Mar. 12th, 1936	—	+ + +	+ +	5555421000	54	History of poor health for 4 years and mental symptoms for 2 years. Advanced case on admission, almost moribund. Oral stovarsol treatment was followed by temporary revival, but he eventually died after seizures had become frequent.
	" 18th, "	19	+ + +	+ +	5555420000	52	
	" 31st, "	21	+ + +	+ +	5554420000	30	
	April 14th, "	21	+ + +	Blood	5543200000	Blood	
	" 27th, "	21	+ + +	0·1	0001320000	10	
	May 11th, "	21	+ + +	0·07	1123430000	4	
	" 22nd, "	5	+ + +	0·06	0001210000	7	
	June 9th, "	21		0·035	5544321000	9	
	" 23rd, "	21	+ + +	0·04	1112431000	2	
	July 7th, "	21	+ + +	0·03	4443321000	3	
	" 21st, "	21		0·03	5544431000	32	
M., 51	April 27th, 1936	—	+ + +	+	5554200000	20	History 1 month. Health poor. Melancholic type. Mental symptoms improved but he died from an intercurrent disease. Last "puncture" cisternal after death.
	May 13th, "	33	+ + +	0·04	0001310000	20	
	" 25th, "	21	+ + +	0·04	0001221000	18	
	June 8th, "	21	+ + +	0·05	0012200000	9	
	" 23rd, "	21	+ + ½	0·03	0001221000	8	
	July 7th, "	21	+ + ½	0·03	0112110000	4	
	" 27th, "	22	+ +	P.M.	0001110000	P.M.	

TABLE SHOWING SEROLOGICAL AND CLINICAL RESULTS OF TREATMENT OF G.P.I. BY STOVARSOL.—(*continued*)

Sex; age on admission.	Dates of lumbar puncture.	No. of 4-grain tablets.	W.R. (C.S.F.).	Pandy, protein per cent.	Lange.	Cells.	Clinical notes.
M., 58	Nov. 20th, 1935	—	+ + +	+	5555431100	95	History defective. Fairly advanced case. Restless and violent on admission. Acute symptoms rapidly subsided during oral treatment. Malaria three rigors later. Died.
	„ 29th, „	30	+ + +	+	5554320000	32	
	Dec. 12th, „	30		+ +	5554310000	21	
M., 40	Mar. 19th, 1936	—	+	+ +	5554210000	35	History 6 months. Restless, confused, grandiose, and hallucinated on admission. Acute symptoms modified. Improvement in gait and speech. "Income" diminished from millions to hundreds. He subsequently had a fit during a malarial rigor and died.
	„ 30th, „	28	+ +	+ +	5554210000	28	
	April 14th, „	28	+ +	+	5555420000	10	
	„ 27th, „	28	+ ½	0·08	5554210000	10	
	May 12th, „	28	+ ½	0·04	5544310000	10	
	„ 25th, „	28	+ +	0·04	5544321000	8	
	June 8th, „	28	+	0·045	5544310000	8	
M., 51	July 3rd, 1936	—	+ +	0·085	5553200000	13	History 1 year. Fairly advanced case with upward plantar responses. Unfit for malaria. He became rapidly worse and died on Oct. 10th, 1936.
	Aug. 5th, „	72	+ ½	0·04	5543210000	8	
	„ 17th, „	21	+ ½	Blood	5433100000	Blood	
	Sept. 1st, „	21	+ + ½	0·035	4433100000	8	
	„ 15th, „	21	+ +	0·025	0013210000	7	
	„ 29th, „	21	+ ½	0·03	0001421000	10	
M., 56	Nov. 9th, 1936	—	+ + +	0·035	5555421000	3	History 5 years. Advanced case on admission with overflow incontinence. Later passed urine when requested. Relatively free from bedsores. Last "puncture" cisternal after death.
	„ 25th, „	40	+ + +	0·04	5554431000	2	
	Dec. 7th, „	28	+ + +	0·02	5555421000	3	
	„ 22nd, „	13	+ + +	0·02	5555432000	3	
	Jan. 4th, 1937	15	+ + +	P.M.	5555543200	P.M.	
M., 46	Nov. 27th, 1935	—	+ + +	+ +	5555421000	250	One week before admission he had two seizures. Restless and very weak on admission. Apparently recovered on oral treatment, but on Jan. 21st fits recurred. Subsequent pyrifer and anti-syphilitic treatment failed to prevent further seizures and he died on April 15th, 1936.
	Dec. 11th, „	30	+ + +	+ +	5443210000	40	
	„ 23rd, „	28		+ +	4443210000	15	
	Jan. 6th, 1936	28	+ + +	+	4433200000	11	
	„ 20th, „	28	+ + +	+	4432100000	10	
F., 47	Oct. 28th, 1935	—	+ + +	+	5555421000	21	Improved appetite and physically.
	Nov. 27th, „	26	+ + +	+ +	5555410000	20	
F., 18	Oct. 5th, 1935	—	+ + +	+ +	5554221000	14	Improved appetite and physically. (Congenital type.)
	Dec. 13th, „	49	+ + +	+ +	5544210000	Blood	
F., 38	May 25th, 1936	—	+ + +	0·065	5555432100	18	No improvement. Treatment stopped owing to intolerance.
	June 12th, „	21	+	0·075	5554421000	12	
M., 49	June 25th, 1936	—	+ + +	0·15	5555433200	13	History 9 months. Less confused, tremor of lips disappeared, gait and writing improved. Residual dementia persisted after subsequent malarial treatment.
	July 20th, „	75	+ + +	0·10	5555543200	6	
	Aug. 6th, „	35	+ + +	0·09	5555432000	6	
	„ 18th, „	35	+ + +	0·09	5555432100	5	
M., 46	Aug. 12th, 1936	—	+ + +	0·09	5555543100	25	History 4 months. Although off-hand and interfering on admission, he became more amenable and started work. Further improvement after malaria.
	Sept. 1st, „	60	+ + +	0·045	5544332000	13	
	„ 15th, „	35	+ + +	0·07	5554310000	7	
	„ 29th, „	35	+ + +	0·055	5555421000	9	
	Nov. 2nd, „	35	+ + ½	0·05	5544210000	9	
M., 44	Jan. 6th, 1936	—	+ + +	+ +	5555432100	54	Improvement in gait and speech. No longer antagonistic towards daughter.
	„ 27th, „	28	+ + +	+ +	5554321000	30	
	Feb. 10th, „	28	+ + +	+ +	5554321000	10	
M., 55	April 20th, 1936	—	Neg.	+ +	5555431000	20	He became less restless, steadier on his legs, and clearer in speech. C.-S.F. on May 11th, 1936, gave + + + Meinicke (C.M.H. Hereford lab.).
	„ 27th, „	28	„	+	5555431000	12	
	May 11th, „	28	„	+	5554210000	7	

mental patient admitted to a mental hospital exhibiting the characteristic serology of general paralysis may still be suffering from the meningovascular condition. Biggart (1936) states that he has found 20 per cent. of cases diagnosed as paresis to be examples of cerebro-spinal syphilis. This distinction is of importance when estimating the value of a new chemotherapeutic remedy in alleged cases of general paralysis, since one must bear in mind the readiness with which meningovascular cases respond both clinically and serologically to ordinary antisyphilitic treatment. In fact it has even been suggested that a serological response to such treatment excludes a diagnosis of general paralysis (Greenfield and Carmichael 1925).

In the present investigation all the patients had been certified as insane, and the predominance of mental symptoms indicated that the lesions were parenchymatous rather than interstitial. The cerebro-spinal fluid changes, moreover, provide striking evidence of the antisyphilitic value of an oral remedy, whatever the exact nature of the pathological lesions may have been.

Owing to the small number of cases in this series and the short periods of time over which the treatments extended, this paper is presented mainly as a laboratory report, the clinical results being only briefly indicated in the Table.

COMMENT

Stovarsol given by mouth, if its action could be proved, would be an ideal remedy in neurosyphilis because it is so easy to administer, especially to out-patients. On the other hand, several toxic effects may be produced, requiring the use of calcium thiosulphate (McLachlan 1933) as an antidote, and this had to be given on a few occasions in the above series. The symptoms produced, however, are dramatic and unlikely to escape the notice of the nursing-staff, whereas the insidious onset of blindness, sometimes observed with Tryparsamide, is a rare complication (Sézary and De Font-Réaulx 1933, Sézary and Barbé 1932). Strict attention to dosage probably does much to prevent ill effects, and the scheme adopted here was to give the drug only on alternate weeks, the number of tablets given daily being regulated approximately by the body-weight. Thus patients weighing 11 st., 9 st., and 7 st. would

receive 5, 4, or 3 tablets (each of 4 grains) respectively. Slight variations of this scheme became desirable when there were complications, but in only two cases did it become necessary to stop the treatment altogether for this reason. As a rule, however, the stovarsol was stopped on account of malarial inoculation. In some cases it was used later to terminate the induced fever, but its action was found to be less prompt than that of quinine.

A comparison of the data set out in our Table with those from a control series of untreated cases is impracticable, but two papers (Barbé and Sézary 1924, Targowla 1924) on the spontaneous modifications of the cerebro-spinal fluid in general paralysis make it evident that consistent changes towards the normal must be attributed to the treatment. Moreover, the results compare very favourably with the laboratory reports following treatment with malaria (Grant and Silverston 1924) or tryparsamide (Lorenz and others 1923, Bedford and Fleming 1928), both of which methods appear to be standing the test of time. The paretic curve, however, appears to have been relatively stable when other specific drugs have been given in the absence of induced pyrexia (Fordyce 1926, Halloran 1924, Hearn 1922, Yorke and Murgatroyd 1936, Stokes, Miller, and Beerman, 1931).

The Table illustrates to some extent the different stages of the "übergangsbefund" referred to by Dattner (1933, 1935)—namely, successive return of first the cell count, then the protein, and finally the colloidal reactions to normal as the result of treatment. It will also be noted that slight reduction in the strength of the Wassermann reaction has been recorded in some cases.

CONCLUSION

The serological results in 22 cases of general paralysis treated with stovarsol by mouth warrant further trial of this method. The clinical results, although favourable in some cases, do not at present justify any conclusions.

Our thanks are due to Dr. R. P. Sephton (medical superintendent) and Dr. J. D. Silverston (deputy medical superintendent) for their kind assistance and permission to submit this work for publication; to Messrs. May and Baker for providing the stovarsol; and to Mr. G. Hannah, who carried out valuable work during the investigations.

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MEDICAL SOCIETIES

ROYAL SOCIETY OF MEDICINE

SECTION OF RADIOLOGY

AT a meeting of this section held on April 16th, the chair was taken by Dr. DOUGLAS WEBSTER, the president, and Dr. HARRISON ORTON read a paper prepared by Dr. COURTNEY GAGE on some of the less common lesions and special methods of

Investigation of the Alimentary Tract

and the influence of adjacent organs. Dr. Gage had first considered sarcoma of the stomach, which he believed could be distinguished from carcinoma when it was of the sessile type of myosarcoma growing into the lumen; the prognosis of this type was excellent. Myosarcomata might protrude into the lumen or burrow into the wall and distort the organ like an extrinsic growth. These growths, like sarcoma as a whole, might appear at any age between 8 and 80, being commonest about 40, though the peak for lymphosarcoma came earlier. They most often originated close to but not on the curvature, and did not cause obstruction at either orifice. They were liable to degeneration and might become nodular from cyst formation. Pain might be prominent but cachexia and anæmia were less marked than in carcinoma. Bleeding was rare except from the myosarcoma projecting into the lumen; the radiologist was responsible for diagnosing these removable growths. Malignancy was low. The shape was that of a slightly squashed sphere or tangerine; the tumour might be pedunculated or sessile. Rupture through central necrosis produced a single deep bleeding ulcer. Barium was trapped between the tumour and the gastric wall, causing a characteristic picture. Rugæ were pushed away on either side and smoothed out over the tumour, smooth and regular if not ulcerated. Peristalsis would pass over a pedunculated tumour and go right up to a sessile one.

Retroperitoneal hernias, especially those into the duodeno-jejunal fossa, were Dr. Gage's next subject. They were, he thought, more common than the literature indicated, and were not always diagnosed as the cause of duodenal ileus. Lord Moynihan had described nine fossæ in this region, but they could not be differentiated radiologically. Symptoms of obstruction varied from occasional colic to an acute emergency. Every case of duodenal ileus extending to the left of the midline should be regarded as of grave import and examined in detail. The intestine might appear as if wholly enclosed within a bag. Smaller ones might show only stasis in a knuckle of gut near the junction. Differentiation from diverticulum was easy; the barium shadow was not uniform, and the gut line was continuous. Nor was the site a common one for diverticulum. Unusual causes of duodenal ileus included annular carcinoma of the third part of the duodenum and carcinoma just beyond the junction.

Crohn's disease had been described under various titles before its entity had been established by Crohn and his colleagues. The common site was the terminal ileum, but the condition might occur elsewhere. Non-specific chronic inflammatory granuloma of the intestine was the best title. It was a multiple lesion, usually found in young adults and in

males but recorded in both sexes and many ages. The part was increased in size, rather rigid and firm, presenting a sausage-like tumour. Granulation tissue was found in all layers of the wall. The mucosa might ulcerate and perforate, or be so swollen as to cause obstruction. The clinical picture varied with the site and the presence of acute, subacute, or chronic inflammation or obstruction. Acute cases suggested appendicitis. The string sign might be seen in radiological examinations of chronic cases. Examination of the small intestine required a special technique. Linear ulceration of the mucosa along the mesenteric border with tendency to perforate there was the most characteristic sign if it could be shown up radiologically as serrations. Adhesions were uncommon, even with mesenteric abscess. The thickened gut might be freely angulated on the cæcal wall or might even indent it, proving the freedom of the cæcum from involvement. *Ascaris lumbricoides* could be demonstrated by hourly radiograms, the opaque food filling the gut of the worm.

Dr. S. COCHRANE SHANKS pointed out that unusual methods were essentially experimental and difficult to assess. The true lateral view, with air as the medium and the patient blowing his nose, was a valuable technique for the pharynx. Œsophageal mucosæ might be difficult to demonstrate, but for varices a thick barium-water cream was best. For the stomach a useful medium was a thick colloidal barium-water cream, which mixed better with the juice and gave a better coating than tragacanth mixtures. Air-inflation might give a good picture of polyposis and fundal tumours, but was contra-indicated in gastric ulcer from fear of perforation. For fundal tumours the gas bulb was sufficient. Spasm could be counteracted by benzamine sulphate. The pancreas was difficult to examine and a number of methods might be needed according to the lesion. Barium enemata might give evidence of steatorrhœa in chronic pancreatitis. Twining used the barium meal, taking lateral views of the supine patient to show the posterior incisura—a triangular filling defect—produced by the normal pancreas, and the influence of tumours on it. Gastric inflation might be used in pancreatic investigation to study the space between stomach and spine, but Twining's method was the better. Cases of acute obstruction should be radiographed lying supine in bed with the Schonander grid, which showed fluid levels well.

The small intestine was generally well seen in the prone view, but sometimes Gage's technique was needed: a small barium-water suspension meal was given (4 oz.) and the patient kept prone throughout the five or six hours of the examination. This kept the distribution even. Radiograms were taken hourly in full inspiration. Another of Gage's methods was to fill the colon per anum and inject lipiodol through a urethral syringe to show up fistulæ. For gastro-colic fistulæ the enema method was better than the meal, as the flooding of the stomach with the enema was conclusive. Stierlin's sign was supposed to be due to a spasm of the cæcum but might be partly due to organic narrowing; the meal should therefore be followed by an enema, when the spasm might relax. The triple contrast method for study of the colonic mucosa must be preceded by complete evacuation, for which the Sude chair was the best irrigation method. A colloidal preparation was the best. The thorium three-stage enema was a variant. Thorium deposited better than barium in the colonic mucosa. As little of the medium as possible should be given, and that intermittently. There were many failures. No deposition or irregular deposition might result, or the bowel might fail to empty. Pitressin helped to produce emptying. The appearances of the first stage were those of the ordinary enema, except that the colon was less distended. After the vacuation the colon was plicated, showing haustration, and tranverse and longitudinal plication. An irritable colon showed small plicæ; asterisk or honeycomb pattern appeared in polyposis or diverticulitis, and absence of plicæ in grave ulcerative colitis or neoplasm. After the air injection the calibre, contour, and anterior and posterior walls *en face* should be observed.

Dr. R. S. PATERSON said that anatomical variations were most often due to failure to descend or to rotate. Faulty fixation might produce hypermobility. Intussusception was usually associated with a polyp or small growth in adults and was revealed by sudden arrest of the enema at the tumour, tailing off of the shadow into a fork, and sometimes a thin streak of barium through the intussusception. The barium enema in some cases cured the condition. Simple colitis in the acute stage might make the bowel too irritable to retain the enema; the lumen was much narrowed, and the line of barium might be no thicker than a lead pencil. Accurate pictures of the mucosa, if obtainable, gave a characteristic tufted pattern. In more chronic forms the spasticity and irritability became reduced and the colon appeared as a parallel-walled tube with no haustra. Often the enema flowed unusually quickly. Notching had been described as representing ulcer craters, but was an unusual finding. The diagnosis of colitis was really clinical. Polyps might occur anywhere, and vary from a large single one, causing filling defect, to a condition of polyposis which gave a characteristic marbled shadow effect beautifully shown by the double contrast method. Certain foods gave an identical appearance, and retention of fæces also caused diagnostic errors; preparation for the enema should therefore be very thorough. In conclusion, Dr. Paterson showed radiograms of a case where a barium enema very satisfactorily converted a breech presentation into a vertex.

Dr. G. B. BUSH spoke of displacements due to extrinsic causes below the diaphragm. Routine investigation would sometimes reveal unsuspected enlargements under the costal margin, in the pelvis, or in obese patients. The examiner must appreciate the wide normal variations and must know the anatomy of the peritoneum and the abdominal cavity and recesses. Enlargements of the spleen might displace the stomach and cause an indentation resembling new growth of the greater curvature; they also pushed the splenic flexure down. Renal tumours had variable effects on the stomach; a large growth might push the stomach down and to the left and indent the lesser curvature, and also displace the descending colon forwards and inwards, without affecting the flexure. Retroperitoneal neoplasms displaced the stomach. Enlargements of the head of the pancreas—cysts or growth—splayed out the curve of the duodenum. Enlargements of the liver depressed the duodenum and were unmistakeable. The gall-bladder was occasionally displaced by a liver cyst. Many tumours affected the transverse colon and flexures. Pelvic swellings gave interesting displacements of the mobile sigmoid, but reduction in its mobility must be demonstrated to verify true displacement. Pregnancy had little effect on the sigmoid because the uterus at first enlarged at right angles to the plane on which the colon was visualised.

Ovarian cysts pushed the sigmoid up and uncurled the S-bend. An enormous lipoma originating under the diaphragm had displaced the stomach and colon right over to the right side.

LIVERPOOL MEDICAL INSTITUTION

AT a meeting of this society on March 18th, with Prof. R. E. KELLY, the president, in the chair, a paper on

Lobectomy

was read by Mr. HUGH REID. He outlined the common indications and complications of lobectomy, and illustrated the technique by means of a colour film. Only recently, he said, had the mortality of this operation been so lowered as to bring it within the region of practical surgery. Brunn had described the one-stage operation in 1929, and although various refinements had been added, his fundamental principles had not been altered, and this was the method adopted by Mr. Reid himself. He pointed out, however, that the one-stage operation had not been accepted by everyone for every case of lobectomy. Alexander, for instance, had made out a very good case for the two-stage method, particularly as regards complications. The greatest field for Brunn's operation was in bronchiectasis and in carcinoma of the lung. It had been shown that if the whole lung was removed from one side, the empty cavity filled up with a reticulated fibrin, while the remaining lung increased in size by hyperplasia and hypertrophy without emphysema, the mediastinum being pushed over, the ribs on the affected side falling in, and the diaphragm rising in an attempt to obliterate the cavity. If only one lobe was removed, it was surprising to notice that after a few days the remaining part of the lung had enlarged to obliterate the cavity completely.

Dr. N. B. CAPON spoke of the great benefit that a patient of his had received from the operation described, and referred to other cases in which still more extensive lobectomy had been successfully performed. The cases required careful diagnosis and selection, with full investigation of the supposedly unaffected lobes, in order to avoid disappointments. A satisfactory course of medical treatment with postural drainage should be given a thorough trial before operation was undertaken. The ideal was, of course, to *prevent* bronchiectasis whenever possible, and more positive efforts should be made to attain this.

Dr. ROBERT COOPE agreed that to advise lobectomy was a serious responsibility. The physician in charge of a patient with bronchiectasis was in a difficulty. On the one hand, the operation was a severe one, with a high risk—though with the development of their technique surgeons skilled in lung surgery were now achieving far better results, especially in the young. On the other hand, the natural history of the disease made it certain that many a patient with bronchiectasis, though reasonably well at the moment, would in perhaps five or ten years time be a distress to himself and to those about him. To wait until the patient and his friends were desperate before advising operation was fair to neither patient nor surgeon. By that time an originally unilateral bronchiectasis might have become bilateral, with widespread damage to the lungs, and in any case the patient would be a poor subject for surgery. If operation was to offer any chance of cure, it was the duty of someone with expert knowledge of the disease to advise it, after full, careful, and unhurried consideration, at a time when the patient was fit enough to have a good chance of recovery from an extremely severe procedure. That is the very time, however, when there was a temptation to carry on with merely palliative treatment; for while the doctor knew the course and future of the disease, the patient and his friends could hardly grasp it. With the modern advance in lung surgery, the physician could feel reasonably happy in passing on young and otherwise healthy subjects to the competent thoracic surgeon. With older patients there was still need for the utmost caution in weighing up the pros and cons of surgical treatment, with a bias at present against it. In spite of occasional recorded cases of lobectomy or total pneumonectomy for bronchial carcinoma, both physicians and surgeons would agree from actual experience that the number of cases suitable for this procedure must be very few indeed.

Mr. H. V. FORSTER said that Frenckner of Stockholm had described a close-fitting bronchial catheter and an ingenious instrument called the spiro-pulsator, which could be used for positive pressure narcosis to one lung alone. These instruments might be useful in the operation of lobectomy or pneumonectomy. The laryngologist had been a pioneer in the study of lung disease by bronchoscopy, but now he saw how these aids were being employed by the physician or surgeon himself. Possibly the bronchoscopist by helping to avoid pulmonary atelectasis in children would be able to contribute to the prevention of established bronchiectasis.

The Value of a Bronchoscopic Clinic

Mr. J. E. G. MCGIBBON and Dr. E. T. BAKER-BATES contributed a joint paper in which they described the difficulties of accurate diagnosis in certain cases of pulmonary disease, even after the most careful clinical examination and investigation. If bronchoscopy was properly carried out under local anæsthesia it was a safe and harmless procedure even in the presence of serious lung disease. They then reviewed the work and methods of the bronchoscopic clinic of the Royal Southern Hospital, Liverpool. The number of foreign body cases was small. Suspected bronchial neoplasm, pulmonary suppuration such as bronchiectasis and lung abscess, dyspnœa due to tracheal and bronchial obstruction, collapse of the lung, recurrent hæmoptysis of obscure origin, and certain doubtful cases of asthma, all called for bronchoscopic inspection and appropriate treatment when possible, and formed the bulk of the work of the clinic. Foreign bodies were classified as radiologically opaque and radiologically non-opaque, and with regard to their composition as organic and inorganic. The organic foreign body cases were dramatic and serious and called for immediate removal. Several cases of non-opaque organic foreign bodies were encountered which had previously been thought to be lung abscess, unresolved pneumonia, and new growth. Bronchoscopy revealed an unsuspected foreign body, removal of which brought about resolution of the lung condition and cessation of symptoms in the majority of cases. Careful investigation whenever possible by direct radiography and with lipiodol was essential in the cases, undue haste in attempts at unskilled removal proved as great a source of danger as the foreign body itself. Pulmonary suppuration in the widest sense was next discussed; it was necessary to bronchoscope all cases of unresolved pneumonia, localised non-tuberculous pulmonary fibrosis, lung abscess, and bronchiectasis, in order to exclude suppuration and pneumonitis distal to simple and malignant bronchial

neoplasms and foreign bodies. True unresolved pneumonia and localised non-tuberculous pulmonary fibrosis were rare in their experience and, in most cases referred to the clinic with this diagnosis, a cause such as foreign body or new growth had been found. The diagnosis should only be accepted with caution after a process of exclusion, especially in the adult. The results of bronchoscopic aspiration and lavage in chronic lung abscess and bronchiectasis were in their experience disappointing and no better than that obtained by postural drainage when properly carried out. Simple new growths were rare; all cases discovered during life had been revealed by bronchoscopy and what had been thought to be an extremely rare condition might prove to be much commoner when bronchoscopy is more generally employed in obscure lung lesions. The majority of these growths were curable by endoscopic methods—simple removal, diathermy, and radiation—but if left untreated they ultimately gave rise to serious secondary effects. Angiomata and fibromata had been seen and treated successfully at the clinic. Malignant bronchial new growths were common; by bronchoscopy their diagnosis could be made beyond doubt. In cases with suppuration distal to a bronchial occlusion by growth, the process of dilatation with bougies of a carcinomatous stricture, removal of exuberant portions of growth by biting forceps, and the introduction of radon seeds or a radon tube lead in certain cases to re-aeration of the collapsed portion of lung and drainage of secretions. By such means the complicating suppurative lesion was usually relieved, the toxæmia lessened, and the sufferings of the patient were minimised. Cure, of course, was impossible at this stage, and probably would remain so in view of the situation of the growth and its mode of spread into the lung parenchyma and mediastinum. In early cases of bronchial carcinoma the clinical and radiological findings were negative, and the patients looked well; recurrent hæmoptysis was the only presenting symptom. If any successful treatment were possible for this terrible condition, its success would depend on early diagnosis, and for this bronchoscopy was essential. A case suitable for lobectomy had not yet been seen. In some cases the diagnosis of malignant disease had been disproved by bronchoscopy and foreign bodies removed. Except in cases of emergency, bronchoscopic examination should always be preceded by complete clinical and radiological examination including lipiodol bronchography. The cases should be followed up, when the significance of unusual findings could be assessed, as it was not always possible to remove suitable fragments for pathological examination. Bronchoscopy would always remain team-work, and it necessitated the closest liaison between laryngologist, physician, and radiologist in a well-equipped clinic to which cases would be sent from a wide area.

Mr. FORSTER said he would like to understand better the value of the diathermy cautery as used in a bronchus when compared with the insertion of radon seeds in cases where the obstructing growth had not been proved to be malignant. Some cases after operations on the upper abdomen by the general surgeon used to develop ether pneumonia, at least in his early student days. The inhibition of diaphragmatic respiration had something to do with this. The laryngologist rarely saw such complications in spite of the greater danger in his operations of inhalation of blood and secretions. He had not met a case of lung abscess after these operations in the practice of his teachers and so far had been spared the complication in his own. Further, he had found the asthmatic patient stood ether narcosis wonderfully well though he had seen an asthmatic paroxysm under nitrous oxide.

Mr. COURTENAY YORKE said that in his opinion the principal use of the bronchoscope would always be the removal of foreign bodies, of which very many are not opaque to X rays and quite unsuspected. He felt dubious as to the value of radon seeds in the treatment of bronchial carcinoma. The inaccessibility of the lower edge of the growth and the limitations of radon seeds both in range and duration of action made him feel that on the whole the possible temporary relief would hardly outweigh the risk and discomfort involved in their insertion. Malignant disease in the larynx was a hundred times commoner in men than in women, and he thought, on that account, an inquiry into the relative sex incidence in bronchial carcimona would be very interesting and might raise important questions in regard to ætiology.

Dr. V. COTTON-CORNWALL said that in investigating the cause of hæmoptysis, bronchoscopy was sometimes the only means by which a correct diagnosis could be made. He quoted a case at Fazakerley Sanatorium where all investigations, including bronchography, had been negative and bronchoscopy had revealed a bronchial carcinoma.

MANCHESTER MEDICAL SOCIETY

AT a meeting of this society held on April 7th, with Mr. GARNETT WRIGHT, the president, in the chair, Dr. S. W. PATTERSON spoke on

Neoplasm of the Colon

In presenting the results of an investigation of 82 cases of carcinoma of the colon and rectum he said that Sir Edmund Spriggs had during the last few years analysed the admissions to Ruthin Castle of patients with diseases of the colon and had collated and published papers on diverticulitis, ulcerative colitis, and functional disorders of the colon. Amongst the 82 cases of cancer of the colon and rectum in the series 68 were in the various parts of the colon and 14 in the rectum. Two-thirds of the cases had occurred in men. The average age was 62 years, 64 for men and 57 for women. The age of most lay between 50 and 70; five were under 50 years old and eight were over 70. The sigmoid and pelvic colon were the parts of the colon most affected. The length of history ranged from a week or two to three years, but was usually a few months. The lesion was sometimes well advanced before it caused any sign or symptom.

The symptoms at onset were divided into five main forms: (1) increasing constipation; (2) irregular stools or looseness, colitic type; (3) pain, usually above or below the navel, but occasionally in the back, thighs, or rectum; (4) upper abdominal discomfort or nausea, sometimes related to food—dyspeptic onset; (5) the early passage of blood from the rectum. There might be an overlapping of two types of onset in the same patient. In some cases the onset was insidious and the bowel symptoms were almost negligible until some other condition led to the investigation of the digestive tract, as in a patient with recurring lumbago which was found to be due to a secondary growth in the bodies of the eleventh and twelfth thoracic vertebræ, originating in a carcinoma of the descending colon. Of the 14 cases of carcinoma of the rectum the age at the onset of symptoms varied from 37 to 75 years. These took the form of a frequent desire to stool or diarrhœa

in 11, constipation in 2, and epigastric pain increased after meals in 1. Two only had noticed no blood in the motion, 5 had suffered serious loss of weight, and in 1 man pain with micturition was an early and troublesome complaint. In the diagnosis the triad of constipation more or less associated with diarrhœa and hæmorrhage was characteristic, but only half of the patients with cancer of the colon complained of serious constipation, and constipation might occur in ordinary intestinal stasis. Bleeding from the bowel occurred in 60 per cent. of the patients and was not seldom ascribed to piles.

Amongst the general symptoms loss of weight and anæmia were predominant. The anæmia might be severe in cases of carcinoma affecting the proximal colon without much obvious blood occurring in the motion; whereas in cases affecting the distal colon, where blood and mucus were common, anæmia was not a prominent symptom. In all cases rectal and sigmoidoscopic examination should be carried out. The patients might thus complain of dyspepsia or general malaise usually with colitic symptoms, constipation, diarrhœa, pain, stoppage, or hæmorrhage, but always a change in the character of the motions. Dr. Patterson illustrated the radiological diagnosis by a series of X ray photographs and diagrams. In differential diagnosis the age factor was one which had to be considered.

In regard to *treatment* full discussions from the surgical point of view had been published in the weekly medical journals during the last few years by Sir David Wilkie, H. B. Devine, H. H. Rayner, and E. K. Martin. In the present series excision was carried out in 13 of the cases of carcinoma of the colon and 2 of carcinoma of the rectum. Colostomy was done in 15 and 10 cases respectively, while a short circuit without removal was possible in 9 of the colon cases. A consideration of the length of history with the results of surgical treatment showed that if advice had been sought earlier and a diagnosis made many more lives could have been saved.

In the subsequent discussion Dr. R. W. LUXTON, Prof. MORLEY, Mr. RAYNER, and the PRESIDENT again stressed the importance of early diagnosis and attention to the commencing disturbances of the bowel.

REVIEWS AND NOTICES OF BOOKS

Practitioners' Library of Medicine and Surgery

Vol. XI, *Eye, Ear, Nose, and Throat.* Supervising Editor, GEORGE BLUMER, M.A., M.D., David P. Smith Clinical Professor of Medicine, Yale University. London: D. Appleton-Century Co. 1937. Pp. 1153. 50*s*. (in sets only).

THIS imposing volume has been compiled by over forty American specialists, many of whom are well known and respected in this country. It possesses the merits and the defects of most of such compilations. On the one hand, there are chapters by distinguished authorities on subjects they have made especially their own and, on the other, there is overlapping and unevenness, with not a few omissions. Thus no mention is to be found of inflation of the ear by the method of Politzer, nor through the Eustachian catheter in the treatment of recent catarrhal deafness, and the technique of the introduction of the catheter is nowhere described; indeed, in the discussion of acute catarrhal otitis media, Creighton Barker visualises an inflammation accompanied by fever, pain, and usually perforation of the drum, rather than the common "cold in the ear" associated with deafness and fullness, for which inflation is valuable. An instance of overlapping is the description by R. E. Buckley of cancer of the larynx, followed by a chapter on the same subject by Louis Clerf; in the latter only the operation of laryngofissure is described, while Buckley says that "the results of radium therapy have been so poor that its further use in the treatment of cancer of the larynx should be absolutely discouraged." The brilliant results obtained in England by the introduction of radium according to the fenestration method of W. D. Harmer and N. S. Finzi might with advantage be more widely known and practised in the United States.

S. J. Kopetzky has contributed a beautifully clear and helpful exposition of the application of physiology and pathology to the study of suppurative lesions of the middle ear which, together with the preceding chapter by D. M. Lierle and J. J. Potter, forms an admirable basis for the understanding of inflammatory processes in this region. Acute suppuration of the ear is discussed in four separate chapters; the importance of the subject may be sufficient excuse for the lengthy treatment, but the mass of reading is uninviting and curtailment should have been possible. The section on diseases of the eye is very complete. The scope of the book is not intended to include descriptions of those operative procedures for which the equipment of a specialist is required; nevertheless those employed in the treatment of cataract and glaucoma are fully discussed and illustrated, as also is the operation of lateral pharyngotomy for cancer of the laryngopharynx. The work is not a text-book, but rather a collection of excellent essays on these special subjects which well deserves a place in the practitioner's library.

Electricity in Therapeutics

By HAROLD H. U. CROSS, Ph.D., formerly Research Worker at the Stanford University, California; Certificate Electro-Radiology, Faculty of Medicine, Paris. With a Preface by Dr. GEORGE BOURGUIGNON London: Crosby Lockwood and Son. 1936. Pp. 378. 25*s*.

THIS book does not deal entirely with electrical treatment. There is a chapter entitled "The Elements of Electro-diagnosis" and a considerable portion of it is devoted to the chronaxie and its determination. A short chapter has been written on ultra-violet ray treatment, and there is a brief résumé of infra-red ray therapy. This book has been written to supply such technical information as will show the student and practitioner the underlying electrical and chemical principles of electricity in therapeutics. It includes much more, however, than technical information. Methods of subjecting patients to the different physical agents and various ways of treating disease by their means are also described. Dr. Cross refrains from expressing his own views on the selection or prescription of treatment but he describes a few of the cases which he has treated. Considerable attention is given to the galvanic current and its therapeutic uses. The chapter entitled "trans-cerebral ionization" will be of especial interest to British readers. This form of treatment was introduced by Bourguignon. It is recommended for long-standing cases of hemiplegia with con-

tracture. For cases of facial paralysis, especially those with contracture, indeed, it is said to be a "sovereign remedy." The section of the book devoted to high-frequency currents is much smaller than that concerned with the galvanic current and its uses. Generators, electrodes, and accessory apparatus are fully described, but only ten pages are allotted to the medical and surgical applications of high-frequency currents. The work conducted in this country on the diathermic treatment of the pelvic organs does not appear to be mentioned, although there is a description of Sloan's method of treating cervicitis and vaginitis by ionisation. The author also describes the use of ultra-violet rays and quartz applicators in the treatment of urethritis, erosion, vaginitis, cervical catarrh, leucorrhœa, and gonorrhœa.

One form of treatment said to be used with benefit in inflammatory conditions is not regularly practised in this country. High-frequency currents derived from a high voltage source are applied by way of glass or quartz electrodes of various shapes and sizes to the skin or introduced into such channels as the nose, rectum, or vagina. The current is said to exercise a "revulsive" action. The risk of breakage of the electrode in situ is mentioned. Should this happen the operator is instructed to keep the patient calm and flood the canal with warm olive oil; to remove pieces with forceps and reassemble as nearly as possible to ascertain that all has been recovered.

There are three appendices. One is a selected bibliography; another contains a number of diagrams showing the motor points of muscles and nerves with descriptions of the action of the muscles; and the third gives advice on the resuscitation of those who have apparently been electrocuted.

Kidney Pain

By J. LEON JONA, D.Sc., M.D., F.R.A.C.S., M.C.O.G., Hon. Assistant Gynæcological Surgeon, Women's Hospital, Melbourne. London: J. and A. Churchill. 1937. Pp. 95. 7*s*. 6*d*.

RENAL pain of unknown origin is very commonly met with in practice, more especially among female patients. It is therefore a subject of great practical importance, and the object of this little book is to bring before practitioners certain views on the causation of obscure renal pain and on its treatment. Dr. Jona has been working for the last ten years on the physiology and pathology of the renal pelvis, but unfortunately the outcome of his researches are still too theoretical to be of much use to the busy practitioner. It is obvious, however, that he has read very widely on the subject and the extensive bibliography supplied will be of the utmost use to those concerned with this region. A better title for the book might have been "Introduction to the Study of Renal Pain," for it will certainly provide an admirable survey from which further fruitful work may spring.

Enzyme Chemistry

By HENRY TAUBER, Ph.D., Consulting Chemist, New York Medical College and Flower Hospital. London: Chapman and Hall. 1937. Pp. 243. 15*s*.

THIS book will find a warm welcome in the libraries of chemists, biochemists, and physiologists who require an up-to-date summary of our knowledge of the chemistry of enzymes and their mode of action. Dr. Tauber deals mainly with the actual chemical and physical nature of the enzymes rather than with their complicated action, and a book written on this aspect of the problems presented has been badly needed for years. There are many works on such subjects as the kinetics of enzyme reaction, and mathematical treatises on the many relationships of enzyme to substrate; but the worker who wants to find out anything about the actual chemical nature of the ferments themselves is faced with the need to make an arduous search through the literature.

Even the most erudite among general biochemists will get some surprises when reading through this book. For instance, it may well come as news to them that crystalline trypsin and pepsin have been prepared, and that ferments such as carboxy-polypeptidases have been crystallised. Dr. Tauber has undoubtedly provided a most useful addition to the library of any worker whose interests are directly or indirectly concerned with enzymes.

Complement or Alexin

BY T. W. B. OSBORN, University of Witwatersrand. London: Humphrey Milford, Oxford University Press. 1937. Pp. 116. 7*s*. 6*d*.

Dr. Osborn has done a useful service in bringing together the available knowledge on the subject of complement in the form of a brief and well-arranged monograph. The work takes no new standpoint nor does it bring forward any new facts of importance, but it is obviously written with real understanding of the subject, and if little criticism appears in the pages, a good deal, we imagine, has been expended on the omissions. As Prof. R. A. Peters says in his introductory note, complement is a "mysterious and interesting" reagent. It is also a very important reagent in practical laboratory work, and all who have to do Wassermann's or other fixation test will profit by reading this excellent account of its properties.

1936 Year Book of Dermatology and Syphilology

Edited by FRED M. WISE, M.D., Professor of Clinical Dermatology and Syphilology, New York Post-graduate Medical School and Hospital of Columbia University; and MARION B. SULZBERGER, M.D., Associate Professor of Dermatology and Syphilology at the School. Chicago: Year Book Publishers; London: H. K. Lewis and Co. 1936. Pp. 720. 12*s*. 6*d*.

THE editors of this valuable publication, since its inception as one of 10 similar year books (including dentistry) in 1931, have adhered to the same programme and classification. This volume has been enriched by abstracts from discussions and papers read at the ninth international congress of dermatology and syphilis held at Budapest in September, 1935, an event which must have made still harder the selective duties of the editors. As in former years they have themselves contributed an introductory essay on a subject of common therapeutic interest. Last year they chose eczema; in this issue they present a detailed survey of the treatment of urticaria in its acute and chronic manifestations, and any reader who has exhausted his armamentarium in an obstinate case of that disease may hopefully seek here some new measures for its alleviation or cure. Among the more important extracts are those from papers dealing with the control and cure of syphilis, including two which present the results of treatment by Mepharsen—the new trivalent arsenical for which reduced toxicity is claimed. A special feature has been made of the recent studies and advances in the pathology of the virus diseases

and those associated with disorders of the hæmopoietic and reticulo-endothelial systems.

The table of contents is divided into 14 sections under which the editors have abstracted papers dealing with mycotic infections, eczema, allergy and immunology, drug eruptions, hæmatogenous dermatoses, miscellaneous dermatoses, cancer, leukæmias and allied conditions, chronic granulomas other than syphilis, non-syphilitic venereal diseases, dermatological therapy, physical therapy, experimental studies, and finally syphilis in all its various aspects. As an addendum to some of the more important communications, and where they do not altogether agree with the conclusions of the authors quoted, the editors have submitted criticisms or alternative views, which will be found of considerable interest and occasional assistance. Dermatologists owe a big debt to the industry of those who have helped to collect and collate the best of the new work on diseases of the skin, and have provided such a comprehensive and reliable annual.

1936 Year Book of Obstetrics and Gynecology

Obstetrics. Edited by JOSEPH B. DELEE, A.M., M.D., Professor of Obstetrics, University of Chicago Medical School. *Gynecology.* Edited by J. P. GREENHILL, B.S., M.D., F.A.C.S., Professor of Gynecology, Loyola University Medical School. Chicago: Year Book Publishers; London: H. K. Lewis and Co. 1937. Pp. 704. 10*s.* 6*d.*

THE appearance of the 1936 number of this year book reminds one of the continued and widespread activities of Prof. DeLee who edits the obstetric section of this book. His editorial remarks are characteristically trenchant and add to the general interest of his summaries of new work. Prof. J. P. Greenhill is responsible for the gynæcological section, which is no less well compiled. The volume is of handy size and provides an admirable review of the best of the year's work in this specialty, chosen liberally from all parts of the world.

Health of the Mind

By J. R. REES, M.D., Director of the Institute of Medical Psychology. London: Faber and Faber. 1936. Pp. 230. 6*s.*

Dr. Rees has brought his book up to date by the inclusion of a number of minor points in various chapters. The volume is designed to appeal not to the expert, but to the intelligent layman, the schoolmaster, and the spiritual guide. Technicalities are cleverly avoided and the skill of the exposition, aided here and there by diagram, makes many a theoretical tangle seem simple. The chapter on childhood is a sound display of common sense. For those who tremble on the brink of suggesting psychological treatment for themselves or their friends this volume will be a disarming invitation. Since its issue the institute directed by Dr. Rees has reverted to its former honoured name and in future will again be known as the Tavistock Clinic.

Reactions of the Human Machine

By JOHN YERBURY DENT. London: Victor Gollancz. 1936. Pp. 288. 8*s.* 6*d.*

THIS volume is frankly materialistic biology and from the very beginning determinism is the premise of the argument. Movement or reaction is a special quality in living things and, having admitted this special quality, it is not difficult to build up a consistent dynamic structure of the organism of man in its individual and social reactions. The argument in fact is so very consistent that many apparently strange explanations fall into their place in the general scheme of the book. In many ways the author's thesis is an extension of the theories of Pavlov. It is with these theories in view that the book should be studied. Those readers who look for consistency and fidelity to biology in the study of mental medicine will find much stimulation in its contents. Neurologists in particular will look with favour upon it; some few psychopathologists may be either irritated or scornful.

What Science Stands For

By Sir JOHN BOYD ORR, F.R.S., Prof. A. V. HILL, Sec. R.S., Prof. J. C. PHILIP, O.B.E., F.R.S., Sir RICHARD GREGORY, Bt., F.R.S., Sir A. DANIEL HALL, K.C.B., F.R.S., and Prof. L. HOGBEN, F.R.S. London: George Allen and Unwin. 1937. Pp. 132. 5*s.*

SCIENCE represents the satisfaction of man's curiosity; and in common life it stands on the one hand for the addition of many facilities and conveniences to his material existence, and on the other, for much of his intellectual and spiritual refreshment and inspiration. The first consideration appeals more to those who do not know by personal experience what science is, the second to the initiates. Both points of view are represented to various degrees in the six essays of this symposium: all of them are well worth reading and most of them are sufficiently provocative; the happiest expression of what seems to be the real truth comes from the editor of *Nature.*

An Introduction to Medical Science

By WILLIAM BOYD, M.D., F.R.C.P., Professor of Pathology in the University of Manitoba. London: Henry Kimpton. 1937. Pp. 307. 16*s.*

Prof. Boyd has written three good books on pathology and he now adds a baby to the family. Despite its title, it is an elementary text-book of pathology intended for junior students, nurses, technicians, and perhaps the lay public. It is not more attractive than the average infant and while it is certainly not bad it cannot unreservedly be called good. In places the writing is careless—e.g., in the account of rickets. It may well be of use in its special field until someone succeeds in the extremely difficult task of composing a better semi-popular guide without tears.

1. A Doctor at Work and Play

By SIDNEY H. SNELL, M.D., B.S. Lond., D.P.H. London: John Bale, Sons and Curnow. 1937. Pp. 351. 12*s.* 6*d.*

2. Scalpel and Sword

By Sir JAMES ELLIOTT, M.D. Sydney: Angus and Robertson. 1936. Pp. 215. 7*s.* 6*d.*

1. IN the first of these books, the late Dr. Snell shows himself to have been possessed of the vigour and simplicity characteristic of the Victorian professional class. A Westcountryman who received his professional education at University College Hospital, he contrived to combine a busy professional life with numerous outside interests and activities. Freemasonry, travel, golf, sailing, fishing, farming, and fox-hunting were some of the things he found time for and, in common with other horse-lovers and modern educationists, he found that a spirited

animal will sometimes go better in a snaffle than on a curb. The book, illustrated with photographs and abounding in anecdotes, is the straightforward and colloquial chronicle of a life remarkable perhaps for the quality and variety, rather than the rarity of the experiences packed into it. The reader is left with an impression of the author as an attractive person, full of energy, kindliness, and the joy of living.

2. Sir James Elliott writes with considerable literary skill and his adventures are set against a very different background. Educated at Edinburgh and perhaps a shade condescending towards the older universities he is delightfully reminiscent about his former teachers. As a doctor he saw service with a field hospital in the South African War and, during the late war, was senior medical officer on the ill-fated *Maheno*. Much of the book is concerned with an interesting account of the manners and customs of the Maoris and the author's gift for happy phrase is well exemplified in the chapter on America.

Snow on Cholera

Being a Reprint of Two Papers by John Snow, M.D. Together with a Biographical Memoir by B. W. RICHARDSON, M.D., and an Introduction by WADE HAMPTON FROST, M.D., Professor of Epidemiology, Johns Hopkins School of Hygiene and Public Health. New York: The Commonwealth Fund; London: Humphrey Milford, Oxford University Press. 1936. Pp. 191. 10*s*. 6*d*.

THIS reprint of Snow's classical papers on cholera has been published under the auspices of the Commonwealth Fund (New York) by "Delta Omega," an American society of public health, to whose interest we already owe a reprint of William Budd's Typhoid Fever. In addition to the second edition of Snow on the Mode of Communication of Cholera it contains his interesting paper on Continuous Molecular Changes, an oration given to the Medical Society of London on its eightieth anniversary. The edition also includes the memoir on Snow's life by his friend Sir Benjamin Richardson which was originally published in the *Asclepiad* in 1887, and which is everything that a brief biography should be. A short introduction by Prof. Frost gives an informative and just account of Snow's place in the history of epidemiology. The apparatus is completed by a bibliography of Snow's works and a frontispiece portrait of Snow. The book is attractively got up. It includes the coloured maps of the original second edition (1854); typographically it is as near as possible a reproduction of the original, and the binding and lettering are also reproduced. To the discriminating reader these details will add much to the enjoyment of owning and reading the book, which has obviously been published as a labour of love and is being sold at what must be below cost price. We can hardly think of a better gift for any young doctor interested in public health work than this edition of one of the most interesting and inspiring of the classics of hygiene.

Diseases of the Respiratory Tract

Eighth Annual Graduate Fortnight of the New York Academy of Medicine. London: W. B. Saunders Co. 1936. Pp. 418. 24*s*.

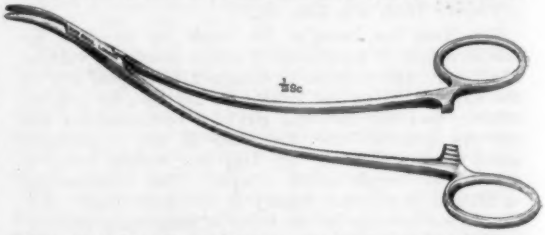
THIS is a collection of lectures to post-graduate students and practitioners by twenty-one authorities on special aspects of respiratory disease. Such a collection could not be comprehensive and the lecturers have wisely chosen subjects rich in speculative and controversial matter. The general standard of the various papers is high and reference must be made to one or two of particular interest. A lecture by A. R. Dochez on the common cold gives the recent evidence for the conclusion that the causative organism is a filter-passing virus; in the writer's experience even after prolonged immunisation there is no diminution in the number of colds experienced, although there may be some decrease in severity.

Other papers of particular merit are those on bronchoscopy by Chevalier Jackson, and on bronchiectasis by J. B. Amberson. Recent views on the pathology of pulmonary tuberculosis are expressed in two papers, the first by J. A. Miller on the evolution of pulmonary tuberculosis, and the second by A. R. Rich on immunity in tuberculosis; the latter insists strongly on the absence of any real basis for the view that hypersensitivity (allergy) is necessary for development of immunity. In a paper on carcinoma of the lung Lloyd E. Craver discusses the brilliant results which have recently attended lobectomy and pneumonectomy in certain cases of this disease, but he is careful to call attention to the very small proportion of cases which are suitable for this form of treatment. In many cases the growth is inoperable when first discovered, either on account of its anatomical position or because of the early appearance of metastases. Of the remainder a considerable number are not fit subjects for major surgery either on account of age or general weakness. In Craver's experience internal or external irradiation is here mostly the treatment of necessity rather than of choice; although palliation of symptoms often occurs he is doubtful if life is prolonged by these measures.

NEW INVENTIONS

A NEW TYPE OF NEEDLE HOLDER

I DEVISED this needle holder primarily for use in cleft palate operations in children, but it is equally useful in all operations, in any situation where space is limited and accurate suturing is essential. The majority of needle holders were too massive and cumbersome for the small needles employed. Apart



from this, when working in such a confined space, one's hand invariably tended to obscure the view of the operation field. Owing to the pronounced "cast off" in the handles, the needle is always in view, and the slight curve in the jaws and the fineness of their points enable even the smallest sizes—e.g., Lane's—to be held securely in various positions. The sutures can thus be inserted from any angle, which is impossible with the ordinary types of needle holders.

The needle holder has been made for me by Messrs. Down Bros., London, S.E.

G. L. PRESTON, F.R.C.S. Edin.
Honorary Surgeon to the Prince of Wales's Hospital, Plymouth.

THE LANCET

LONDON: SATURDAY, APRIL 24, 1937

A MASTER OF EPIDEMIOLOGY

THE classics of epidemiology wear better perhaps than those of any other branch of medicine. The student of epidemic disease may still find immediate help and inspiration in the writings of FARR and BUDD, MURCHISON and GRAVES, BRETONNEAU and TROUSSEAU, or HIRSCH and CREIGHTON, and the more his experience grows does he find them instructive. This is not because epidemiology is an unprogressive science; its advance has been as spectacular as that of any specialty. That good observation in the field of epidemic disease is not readily superseded depends partly on the fact that many epidemic diseases were more common and more easy to study in bulk in the past than now; but partly also on the circumstance that it was the disease rather than the patient that was studied and the *argumenta ad hominem* which tend to make the doctor a good friend but a bad scientist were largely eliminated.

JOHN SNOW has hardly yet been accorded a place in the front rank of the masters of epidemiology, but his famous treatise on cholera is a cameo of medical writing and a model of epidemiological inquiry. We welcome the cheap and elegant reprint of the work reviewed on another page which has been produced through the good offices of the Commonwealth Fund and makes available a story as interesting and instructive as any in medicine. Cholera as a serious epidemic disease had a brief and meteoric career in England. It reached the country somewhere about 1830 and in 1854 it fell on London like a wolf on the fold. Had it arrived half a century earlier it might have caused a major national disaster; as it was the fold was being watched over by such alert shepherds as WILLIAM FARR, WILLIAM BUDD, and JOHN SNOW. Within half a dozen years it was attacked and practically exterminated in this country and foremost in the event was JOHN SNOW. SNOW had studied cholera in Newcastle some ten years earlier; he knew his enemy and he achieved its destruction in an astonishingly short time. Within a few weeks from the outbreak he was able to put on permanent and unshakable record his thesis that cholera was a water-borne disease, that the source of infection was the dejecta of cholera patients, and that the *materies morbi* was what we should now call a germ. SNOW was a fine example of the naturalist doctor characteristic of English medicine. He was in the best sense in the "Hunterian tradition." A physician with a busy practice, he yet could find time for intense observation and for scientific work of the highest quality. It is sometimes said that this is impossible under present-day conditions, and research workers demand whole-time facilities. It remains certain that such men as HUNTER or SNOW would have succeeded in finding opportunity for their work in the face of practically any difficulties, though admittedly these men lived "dedicated lives" and their successes were not won without material and social sacrifices.

SNOW was one of the pioneers of anæsthetics and he must have taken a large part in popularising the use of anæsthetics at childbirth for it was he who gave Queen VICTORIA her first anæsthetic and thus set the fashion. He does not seem to have benefited financially to any extent from this practice, though all the fine ladies of the time must have demanded the Queen's anæsthetist, and would surely have been willing to pay substantially for his services; we are told by his friend RICHARDSON, however, that his income never exceeded £1000 a year and this explains much. SNOW wrote some fifty papers on medical subjects, many of them on anæsthetics, but his masterpiece is the little treatise of some 140 pages, in which he records his investigations of the London outbreaks of cholera of 1849–54. The story reaches its highest pitch of interest in the account of the epidemic, perhaps the most severe in English experience, which in 1854 caused over 500 deaths in ten days in the very heart of the West End—in the neighbourhood which now backs on the Regent Palace Hotel. The story is known to every student of epidemics—how SNOW gratuitously took upon himself the task of investigation; how by ingenious and unremitting inquiry he traced case after case to the Broad-street Pump; how the "widow of a percussion cap maker," retired in Hampstead, sent a messenger daily for a bottle of water from the Pump as she preferred it to the local waters; how she died, a unique case in her salubrious neighbourhood; how her niece who visited her drank some of the treasured water, returned to her "residence in a high and healthy part of Islington," was attacked by cholera, and died also; how the men of Mr. Huggins's Brewery, hard by the Pump, knew of a better pump and all escaped—such are some of the elements which makes SNOW'S report of perennial scientific and human interest. The story has been retold by Dr. H. H. SCOTT in his excellent book, "Some Notable Epidemics," but this should only whet our appetites for the original sources. The appearance of a cheap reprint of SNOW'S classic will, it is hoped, gain many new admirers for this "representative," as RICHARDSON calls him, "of medical science and art of the Victorian era."

CIRCULATORY COLLAPSE

IN a recent issue, when discussing the effects of extensive local injury, we surveyed various theories of the cause of secondary shock.[1] These theories assumed a loss of fluid with diminution in the volume of circulating blood, and differed chiefly in their explanation of how this loss was brought about. It is generally taken for granted that a total blood volume which is small in relation to the capacity of the vascular system is sufficient to start the vicious circle seen in surgical shock, but this disproportion between volume and capacity may

[1] *Lancet*, April 3rd, 1937, p. 821.

well be an accompaniment rather than a cause of the condition. Surgical shock may, for instance, be due to some profound dislocation of function in the central nervous system, of which vasomotor incoördination is merely one of the more serious manifestations. S. WEISS, R. W. WILKINS, and F. W. HAYNES of Boston [2] have done work of great interest in this connexion. By using sodium nitrite they are able to produce a state of circulatory collapse in which the condition of the subject closely resembles that seen in shock; but the state is reversible in a matter of seconds. The subject is placed in a horizontal position and given a dose of nitrite which has little or no effect so long as he remains lying down. After a few minutes he is raised into a vertical, or nearly vertical, position, with dramatic results. Yawning more and more often, he develops sighing respiration, restlessness, increased peristalsis, and warm and then cold perspiration in rapid succession. The skin becomes cyanosed and finally "ashen grey," the pupils become dilated, and the subject of the experiment becomes drowsy. Dimness of vision and extreme muscular weakness are followed by unconsciousness. This process takes about 20 minutes, but when the horizontal is resumed, consciousness is immediately recovered and the symptoms rapidly subside.

Quantitative observations show that the peripheral blood flow, as estimated with the plethysmograph in the hand, is diminished; the venous pressure is less, the pulse-rate more rapid, and the pulse pressure is diminished at the expense of the systolic arterial pressure. Shortly before syncope the blood flow through the hand falls to zero, the venous pressure falls below the hydrostatic level of the right auricle, the radial pulse disappears, and the blood pressure is unobtainable. Then, just when syncope is about to ensue, the pulse-rate may suddenly fall from over 120 to less than 80 per second; elimination of this drop by means of atropine makes no difference to the other manifestations, and the investigators attribute it to stimulation by anoxæmia of the cardio-inhibitory centre of the medulla. Normal blood flow, venous pressure, pulse pressure, and pulse-rate are promptly restored by the horizontal position. Further experiments lead to the conclusion that not the arterioles, but the veins and venules, through loss of tone and increased capacity, are responsible for the sequence of events. It is claimed that "pooling" of blood can occur in the systemic veins as well as in the splanchnic area, and is accompanied by reflex vaso-constriction on the arterial side.

The significant feature of these experiments is the "pooling" of blood in such a way that it can be quickly returned to the circulation, and the clear demonstration, by first "removing" and then restoring the blood, that interference with the circulation is alone responsible for the symptoms. There can be little doubt that, could the experiment have been pushed further, secondary effects due to anoxæmia of the nervous system would have supervened, while lack of circulation and vaso-constriction in the periphery might well have led to a leakage of fluid through the anoxic capillary walls and a state of "irreversible" circulatory collapse.

[2] *J. clin. Invest.* 1937, **16**, 73 and 85.

PRINCIPLES OF MEDICAL STATISTICS

IN clinical medicine to-day there is a growing demand for adequate proof of the efficacy of this or that form of treatment. Often proof can come only by means of a collection of records of clinical trials devised on such a scale and in such a form that statistically reliable conclusions can be drawn from them. However great may be our aversion to figures we cannot escape the conclusion that the solution of most of the problems of clinical or preventive medicine must ultimately depend on them. Even those who pretend to despise this method of approach find that any assessment success or failure which is based on fact rather than on opinion must nearly always be expressed in some numerical form—e.g., when the medical observer reports that he has treated so many cases with a favourable result in such and such a proportion, or the public health worker assesses the attack-rate on a population inoculated against some infection. But often, unfortunately, the figures used are either insufficient in number or documentation or too limited in their scope to bear the weight of the interpretation that is placed upon them. An additional difficulty is that few medical men have been trained to interpret figures or to analyse and test their meaning by even an elementary statistical technique. We have reason to believe that there is now a steadily increasing demand among both clinical and public health workers for some knowledge of that technique and a realisation that it is not much good collecting figures more or less haphazardly and then to expect a professional statistician to draw conclusions from them.

Acting upon this belief last year we invited Mr. A. BRADFORD HILL, D.Sc., of the London School of Hygiene and Tropical Medicine, to prepare for our columns a series of short simple articles on such methods as his experience of medical statistics had shown him would be most useful in that field. Dr. HILL's first article appeared on Jan. 2nd, 1937, and his last will be found on p. 1001 of this issue. He has succeeded beyond our hopes in demonstrating some of the ways in which investigations can be planned and figures derived from them can be analysed in order to yield fruitful results. He has chosen examples from medical publications to illustrate both the types of problem with which the medical worker is faced and the kinds of error he is most liable to make; and wherever possible he has either avoided mathematical presentation of his material or has led up to it so skilfully as to rob equations and even square roots of their traditional horrors. This consideration for those who are not mathematically minded has resulted in an exceptionally clear exposition of a difficult subject and we have had many requests, to which we are happy to accede, for the reissue of these articles in book form. They will appear shortly as Vol. 3 of THE LANCET post-graduate series under the title Principles of Medical Statistics.

ANNOTATIONS

THE TREATMENT OF ASPHYXIA NEONATORUM

THE gibe that it takes ten years to get a new idea into a medical text-book and the rest of time to get it out is not without point when applied to certain methods of treatment still recommended in some places for the severe degrees of asphyxia neonatorum. The Schultze, the Byrd, and the Silvester methods are now generally regarded as valueless for the purposes of initiating respiration in an apnœic infant and are known to be potentially dangerous, for their use may inflict trauma and cause or aggravate shock. Mouth-to-mouth insufflation is also of doubtful value; it may on rare occasions save a life, but at the best it is an uncertain method not devoid of risk. Unfortunately no very effective and simple alternative to these unsatisfactory methods has hitherto been suggested by their critics, and many obstetricians have been content, after clearing the thick mucus from the pharynx, to take no action beyond keeping the infant warm, in the hope that the shock from which it suffers will subside and that the slow rise of carbon dioxide tension of its blood will in a short time evoke an inspiratory effort. More active intervention is advocated by Dr. R. A. Wilson of New York, who on April 16th presented to the section of obstetrics and gynæcology of the Royal Society of Medicine the results of ten years' investigation of the cause and treatment of asphyxia neonatorum. The most difficult case to treat, he said, is the infant which has made no effort to breathe. To give oxygen and carbon dioxide by a face-mask is useless, and even the Drinker respirator is of so little avail that an attempt to use it may waste valuable time. Attempts to distend the lung alveoli by gas pressure are in Dr. Wilson's view dangerous, since experiment has shown that pressures up to 18 millimetres of mercury do not lead to adequate lung expansion, although they may cause rupture of the alveoli. A method recommended as useful even if it does not immediately cause respiratory efforts is intubation of the trachea followed by insufflation of oxygen under low, and preferably intermittent, pressure. But Dr. Wilson holds intravenous injection of respiratory stimulants to be the most effective of the various means of stimulating respiratory efforts. He said that alpha-lobeline and Coramine are both active in this respect, but lobeline is the safer drug; and he showed cinematograph films, and graphic records of the respiratory efforts of new-born infants obtained by a specially designed spirometer, to demonstrate the remarkable effect of lobeline in initiating respiration in apnœic infants, and in augmenting feeble respirations in newly born children whose respiratory centres had been depressed by morphine or by barbiturates previously given to the mother. In barbiturate poisoning lobeline seems to be much more effective than carbon dioxide. Dr. Wilson said that alpha-lobeline could safely be given to infants apparently stillborn in a dosage of gr. 1/20. The fœtal cord should be clamped 8 or 9 inches from the body and the lobeline solution injected through a hypodermic needle into the umbilical vein a few inches from the clamped end. The cord should then be stripped with the fingers in order to "milk" the fluid into the circulating blood. The distal half of the cord should be emptied quickly and then reclamped; the remainder should be stripped at a slower rate, in accordance with the infant's needs and the response evoked. It usually took 15 seconds for the drug to reach the respiratory centre. The first effect was invariably the production of a generalised spasm of the body of the infant, often with opisthotonos. This spasm was followed by vigorous respiratory efforts; until these started the treatment should be conducted with the child held in the head-down position.

Intravenous lobeline, while of the greatest value, should not be the only remedy tried. As the result of the experiences gained by Dr. Wilson and his colleagues in the treatment of 340 cases of asphyxia neonatorum, the following technique has been evolved: (1) The infant's mouth and pharynx are immediately aspirated with a mucus catheter, in order to remove the thick secretion and liquor which often obstructs the airway. (2) The cord is clamped, the vein injected with lobeline, the cord half stripped and clamped again, according to the method described above. (3) In severe cases a tube is passed into the trachea by aid of a special laryngoscope, and the air-passages are then insufflated with a mixture of oxygen (80 per cent.) and carbon dioxide (20 per cent.). The pressure of the gas should not exceed 5 mm. of mercury. (4) The remainder of the cord is now slowly stripped, the child being held head downwards. (5) After initiation of respiration, and usually within two minutes' time, the tracheal tube is removed and replaced by a face-mask, through which the oxygen-carbon dioxide mixture can be continued, according to the needs of the case. Since prolonged apnœa may damage the respiratory centre treatment should be instituted with the minimum of delay.

These recommendations command respect because of the close study Dr. Wilson has given to the experimental and clinical problems of asphyxia, and because of the exact nature of his own clinical observations. The methods suggested are not new, but the clear definition of their scope and value, which is the outcome of wide experience, has served to remove many vague impressions. The way in which lobeline is used is worthy of special note and will doubtless be tried by obstetricians in this country.

PRURITUS ANI

THE subject of pruritus ani is one of perennial interest and of no little importance both from the sufferers' point of view and also that of the medical attendant who is asked to undertake the treatment thereof. It is now well recognised that a large proportion of cases of anal pruritus are caused by a discharge at the anus. Many local conditions in the anal canal or rectum may set up such a discharge—for example, anal fissures or fistulæ, prolapsing hæmorrhoids or polypi, and any form of proctitis or colitis. The discharge dries up on removal or cure of these causative conditions, and the anal irritation, which is usually of a fairly mild type, soon disappears too. Severe idiopathic or essential pruritus ani, which was the subject of observations by J. W. Riddoch in our last issue, is to be regarded as a separate disease. In Riddoch's view "idiopathic pruritus ani is caused by œdema of the peri-anal skin following on stasis in the external hæmorrhoidal veins." In a histological study of six cases evidence of œdema was found, such as swelling of the prickle cells, poor staining of the nuclei, and unusual prominence of the intercellular channels. In the cutis there was also obvious œdema, and this was not attributed to any sort of irritant because of the absence of lymphocytic

infiltration. The sensation of irritation is known to arise in the epidermis, and is a feature of urticaria and other skin conditions in which œdema commonly occurs. Œdema often arises from local venous stasis, and Riddoch produces clinical evidence of the way in which stasis and congestion of the veins in the external hæmorrhoidal plexus may be related to anal pruritus; he states that where this is present dilated anal veins are often to be seen through a proctoscope in the lower part of the anal canal. Riddoch suggests that certain types of treatment have proved beneficial because they have destroyed or sclerosed the veins in the anal region. Thus Ball's operation may act in this way as much as by section of sensory nerves, and the injection of various solutions, such as alcohol or hydrochloric acid, may act similarly; possibly too the injection of anæsthetic solutions in vegetable oils may have some effect, apart from the immediate anæsthesia, by causing fibrosis and venous obliteration. According to Riddoch's theory the beneficial effects which in some cases are obtained by X ray treatment may be due to a destructive action on the blood-vessels. Many observers have commented on the improvement in pruritic cases which often occurs after a *submucous* injection of a sclerosing solution such as phenol in oil, and this may be due to fibrosis of veins in the internal hæmorrhoidal plexus, and closure of the communicating veins through which back pressure can take place on the anal veins. When slight degrees of œdema (the pre-pruritic state) are present, many factors such as allergy, slight rises in temperature, or alcohol may act on the skin vessels and produce irritation, whereas the normal skin would not be affected.

Riddoch's views at least provide a useful basis for examination and treatment of the idiopathic type of pruritus, and also offer a reasonable explanation why so many different forms of treatment have, at various times, been acclaimed as beneficial in this condition. A patient with anal pruritus should certainly be subjected to the careful routine of a complete rectal examination: inspection, palpation, proctoscopy, and sigmoidoscopy. The best method of circumventing anal venous stasis must be a matter of consideration in each individual case. The treatment of the internal hæmorrhoidal areas by sclerosing injections is likely to assume a greater importance in cases of pruritus, and for the veins of the external hæmorrhoidal plexus doubtless much may be done by way of operation (excision of skin ridges or tags with the underlying veins) or by injection of irritant solutions which have been proposed from time to time. These include alcohol, quinine-urea, hydrochloric acid, castor oil, phenol in oil, and the various anæsthetic solutions in oil, most of which, it may be noted, contain benzyl alcohol.

HOSPITAL KITCHENS

THE importance of providing good, appetising, well-served food for hospital patients was emphasised by Miss R. Whitaker, principal of the Gloucestershire Training College of Domestic Science, in a Chadwick lecture delivered in London on April 15th. Failure in the dietary department, she said, "delays convalescence and unfavourably moderates its completeness." The provision of suitable food is, however, by no means simple. Good food, well cooked, may suffer deterioration in its transport from the kitchen to the bedside, and many cooks in institutions are unfairly hampered by lack of the conditions in which alone a satisfactory diet can be produced. Miss Whitaker laid special stress on the necessity of well-planned kitchen offices, so that raw materials may enter the building as near as possible to the stores, and each item forming part of the meal may "travel steadily forward through the various processes of preparation, with no backward movements and as little cross-tracking of workers as may be, until the finished product is assembled in the hot or cold closets of the servery." Not only must the large apparatus be properly placed, but the small tools should also be as far as possible within reach of the worker, who should be able to sit at her duties by the provision of knee-hole accommodation in her table. Ventilation and lighting are important. Cross-ventilation is essential, and alternative methods should be available. The best lighting of a kitchen, Miss Whitaker said, is literally the cheapest. Natural light should be admitted to the greatest possible extent, while artificial light should be adequate, without glare, and placed to fall upon the work and not upon the worker. A combination of gas and electricity, with the addition of steam, will probably give the greatest efficiency in fuel.

STAPHYLOCOCCI AND URINARY CALCULI

THE ætiology of urinary calculi is still an unsolved problem. The part played by infection is, however, well recognised and some modern authorities indeed are even doubtful whether urinary lithiasis exists at all unaccompanied by infection. H. P. Winsbury-White, who has recently reviewed the subject,[1] points out that this conclusion has been reached chiefly as the result of improved technique, whereby organisms may be found more readily in the urine and actually identified in the nuclei of the calculi themselves. These investigations have particularly incriminated the staphylococcus. J. Swift Joly[2] repeatedly emphasises the importance of staphylococcal infection of the urine, and recently John Hellström[3] has written a monograph on the subject of staphylococcus stones. This study is based on 90 cases, all observed personally by himself, thoroughly investigated, and followed up for varying periods, 16 of them for more than ten years. Only cases in which staphylococci were found in the stone without a large admixture of other organisms are included in the series. The stones were examined for cocci by dissolving out the inorganic constituents with hydrochloric acid, and then either making smears or cutting sections. Cultures from the urine showed that by far the commonest organism was the *Staphylococcus albus*. It is estimated that about 14 per cent. of all urinary calculi are due to staphylococcal infection.

The treatment of these conditions is unsatisfactory because the infection is so difficult to eradicate. The stones themselves have mostly to be removed by operation, either by themselves or with a kidney. Hellström's operative mortality was less than 1 per cent., but his recurrence rate was 38 per cent. The percentage cured of both stones and infection was 32. Seventeen out of the 90 patients avoided operation by passing their stones; of these only 1 suffered a recurrence, but 8 remained infected. It is apparently even more difficult to treat the infection than the stone. Acidification of the urine, vaccines, and most of the so-called "urinary antiseptics" are ineffective. Hellström obtained the best results with neosalvarsan and also favours direct irrigation of the renal pelvis.

[1] *Brit. J. Urol.* 1935, **7**, 103.
[2] Stone and Calculous Disease of Urinary Organs, London, 1929.
[3] *Acta chir. scand.* 1924, **79**, Suppl. 6.

The actual method of formation of staphylococcus stones is not thoroughly understood. Many of the factors concerned in stone formation in general are probably at work, such as disturbances of the colloid-crystalloid equilibrium of the urine. It is possible that conglomerations of the cocci serve as nuclei for the stones to form around; or the cocci may act indirectly by providing a kind of protein that upsets the colloid-crystalloid equilibrium. The large masses of cocci found in some of the stones tends to support the former hypothesis. Another factor may be the effect of staphylococci on the *p*H of the urine, for many staphylococci (especially *S. albus*) have the power of forming ammonium carbonate from urea. M. S. S. Earlam [4] and others have shown that by no means all staphylococci associated with urinary calculi have the power of splitting urea, and moreover most patients with staphylococcus stones have acid urine. Hellström observes, however, that in all cases examined by him the staphylococci on cultivation in urine turned it strongly alkaline, and suggests that an artificial solution of urea is not a fair substitute for the urine itself. He maintains also that he has often observed a difference between the reaction of the bladder urine and that of the urine in the immediate vicinity of a renal calculus.

NATALITY AND MORTALITY IN THE U.S.A.

Two volumes corresponding to the annual reports of the Registrar-General of England and Wales are issued annually by the Bureau of the Census of the United States. One deals with the year's births, stillbirths, and infant mortality, the other with the statistics of the mortality registered. The reports for the year 1934 have recently been issued.[5] The registration area, first established for deaths in 1880, for births in 1915, has slowly but steadily widened. For mortality statistics States have been admitted only on the basis of approximately complete registration of deaths (at least 90 per cent. of all deaths) and when the data have shown that the deaths are recorded properly under adequate registration laws. Texas, admitted in 1933, has been the last State to satisfy these criteria. The present reports therefore relate, for the first time, to the whole of the United States. Supplementary returns are also provided for the territory of Hawaii, Puerto Rico, and the Virgin Islands. In 1934 the estimated population of the United States was 126,626,000 and the total numbers of births and deaths registered amounted to 2,167,636 and 1,396,903, giving a birth-rate of 17·1 per 1000 inhabitants and a crude death-rate of 11·0. The natural increase of population it will be noted was rather more than three-quarters of a million persons. The infant mortality-rate was 60 per 1000 live births and in addition 78,503 stillbirths (3·6 per 100 live births) were notified. This enormous mass of material is tabulated in these two reports in considerable detail, attention being paid to such factors as urbanisation, season, colour or race, sex and age, and cause of death. Statistics are given of plural births (there were in 1934 six cases of quadruplets, all born alive), and of birth-rates by age of mother, information we are still waiting for in this country. In view of the public interest in road accidents two special accident tables are included in the mortality report. In 1934 just over 36,000 deaths were attributed to motor-vehicle accidents in the registration area, an increase of over 5000 deaths above the average for the three previous years. For those desirous of making an excursion into the vital statistics of the United States study of these two reports is essential.

SURGICAL TREATMENT OF HYPERPIESIA

Page and Heuer [1] describe a small series of cases —17 in all—treated for hypertension by bilateral division of some or all of the anterior nerve-roots dorsal VI to lumbar II. The grounds for this procedure are that it cuts off vasoconstrictor impulses to the splanchnic area and this is followed by vasodilatation in this area with a resulting fall of blood pressure. That this is the immediate effect of the operation seems clear. But in most of these few cases at any rate the drop in blood pressure appears to have been merely temporary, and at the end of the period of observation (maximum 37 months) it was seldom much lower than before the operation. The chief improvement observed was in the subjective symptoms, and as the authors say that a strong element of neurosis was obvious in many of the patients it seems likely that equal improvement might have been attained by less spectacular means. The operation in itself seems to have had no ill effect upon the functions of the heart or kidneys, but it does not appear from this series of cases that any improvement in renal function is to be expected as a result of the lowering of blood pressure. This is in direct contradiction to results reported by Freyberg and Peet [2] in 48 cases of hypertension treated by bilateral section of the splanchnic nerves. In such patients as responded by a considerable fall of blood pressure these workers found decided improvement in the renal function as measured by the concentration and urea-clearance tests. But in this series again the results of the operation were very variable, and as a rule the blood-pressure level, after an initial fall, showed a tendency to rise to, or even above, the preoperative figure. Such results, indeed, raise serious doubts whether severe operations upon the nervous system are a justifiable means of treating hyperpiesia.

CHRONIC MILIARY TUBERCULOSIS IN CHILDREN

As long ago as 1845 Waller in Germany noted that miliary tuberculosis of the lung is not always fatal; and radiography has now made it recognisable before death. Dr. R. H. Fish [3] is thus able to describe four cases with recovery (as well as six fatal ones) observed at High Wood Hospital, Brentwood, which receives all children with pulmonary tuberculosis requiring treatment under the London County Council tuberculosis scheme. In the fatal cases the illness varied in duration from 5½ to 11 months from its demonstration radioscopically. Four of the six showed undoubted though temporary improvement, and post-mortem examination of the tubercles, which contained live tubercle bacilli, revealed all stages of healing. The four non-fatal cases were similar to the others except in their recovery. Persistent but mild pyrexia was almost constant, but it was punctuated by occasional rises, perhaps representing waves of bacillæmia arising from massive tuberculous glands in the upper mediastinum. A slight cough was often present,

[4] *Brit. J. Urol.* 1930, 2, 233.

[5] U.S. Dept. of Commerce. Bureau of the Census, Mortality Statistics, 1934. Thirty-fifth Annual Report. Pp. 329. $2. Birth, Stillbirth, and Infant Mortality Statistics, 1934. Twentieth Annual Report. Pp. 211. $1.75. U.S. Government Printing Office, Washington, 1936.

[1] Page, I. H., and Heuer, G. J., *Arch. intern. Med.* February, 1937, p. 244.

[2] Freyberg, R. H., and Peet, M. M., *J. clin. Invest.* January, 1937, p. 49.

[3] *Arch. Dis. Childh.* February, 1937, p. 1.

and sometimes a few râles, but no gross signs were found in the chest. Tubercle bacilli were occasionally demonstrated in the sputum, but recourse to gastric lavage and guinea-pig inoculation was commonly necessary. The Mantoux reaction was usually positive on using 0·1 c.cm. of 1 in 10,000 old tuberculin and always in 1 in 1000 dilution. Radiography showed the characteristically diffuse and mottled appearance of the lung. In the four non-fatal cases, and some of the fatal ones, extrapulmonary lesions were coexistent.

In treatment, rest is of paramount importance, and it must be continued until the stippling has disappeared, which happens when the tubercle is replaced by fibrous tissue. All these patients were treated on open-air balconies, and Dr. Fish gave them gold in the form of Solganal B, which he thought beneficial. The prognosis proved as difficult in this type of tuberculosis as in others, and cases apparently of the worst type recovered.

RATIONAL SALINE THERAPY

THE intravenous injection of common-salt solution has been recommended for a variety of conditions. Some of the recommendations appear contradictory —for example, the use of "normal" or hypertonic saline for cure of the anhydræmia of shock and hæmorrhage and as a treatment for anuria in which fluid-retention may be taking place. The occasional efficacy of intravenous therapy can be explained by blood analyses. Root [1] describes two cases in which intravenous hypertonic saline restored the urinary flow in patients with only one kidney. Both patients had anuria with increasing nitrogen-retention and low blood chlorides, one as a result of vomiting and the other from excessive sweating. After intravenous therapy and restoration of the urinary flow the blood chemistry became normal and recovery followed. An example is given of the calculation of the chloride deficit and the exact amount of salt solution to remedy this. No doubt if these methodical analyses could be conducted on all patients before the administration of intravenous solutions, such brilliant results might be achieved more often. There seems to be no very good reason why a vein should be preferred to the alimentary canal for salt or fluid replacement, especially if reasonably early blood analyses are done to reveal the condition before it becomes acute. If clinician and laboratory were always able to work more closely together in these circumstances many lives would be saved.

THE BLOOD PICTURE AFTER INDUCED FEVER

THE account on p. 1007 of the congress on artificially induced fever shows to how many different uses this treatment is now being put in America. Its effect on the hæmopoietic equilibrium is thus of considerable moment. F. H. Krusen has recently summarised [2] his observations on a large group of patients. The patient's body was exposed from 3–7 hours in hot circulating humid air varying from 145°–150° F., the humidity being kept constant. Samples of blood were taken from each patient immediately before and immediately after each fever treatment. The disease for which fever therapy was given appeared to be without effect on the character of the response. Similar changes were noted in both venous and capillary blood, so it may be concluded that such changes represent a fundamental alteration in hæmopoietic equilibrium and are not dependent upon superficial hyperæmia. Average venous counts on 100 patients before treatment gave a leucocyte count of 7100 per c.mm., while after fever the count was 11,300 per c.mm. This increase was dependent upon an increase in polymorph cells. No change that was significant was found in the Arneth count. The red cell count was unaltered. The author believes, therefore, that there is a true increase in circulating white cells, since there is no evidence of concentration of the blood and the white cell increase appears to affect one cell type only. Rather more elaborate studies of the same problem have been made by Dr. M. M. Hargraves, who adds a note to Dr. Krusen's paper. Dr. Hargraves followed his patients for 20 hours after the onset of fever with half-hourly blood counts. He found a response so constant that he characterises it as a "febrile hæmogram." There is a post-febrile leucocytosis, the duration and extent of which is an individual affair related to the duration and height of the fever. The peak of leucocytosis is dependent on a polymorphonuclear increase and often goes as high as or higher than 40,000 leucocytes per c.mm. At this stage the younger cells as shown by an Arneth count are increased, evidence it is believed of bone-marrow delivery rather than of redistribution. As the polymorph peak declines, the total count is sustained, at least to some extent, by an influx of monocytes. The lymphocytes reappear in normal numbers only towards the end of the period. These figures, Hargraves suggests, confirm Krusen's observation which was correct for the time of sampling but usually missed the peak of the response. Apart from their own interest these figures emphasise again how rapidly changes in the white cell count occur, rendering single of far less value than serial observations.

OBSTETRICAL EMERGENCIES

Prof. Farquhar Murray's idea of a local emergency service for difficult childbirth is now bearing fruit. It is some twelve years since he began to work out a way of providing the accoucheur with the needed assistance whenever the unexpected difficulty presented itself. In 1929 he advocated [1] the organising of emergency services, especially in industrial areas, and in 1935, with the coöperation of the medical officer of health, he initiated such a service in Newcastle-upon-Tyne, which was nearly the first of its kind, something similar having been tried in Lanarkshire two years previously. In that year a local Newcastle journal gave a graphic account of how the efficiency of the service was tested. Prof. Murray with an accoucheur and the M.O.H. sent an emergency call from a house in a Newcastle suburb, and within 15 minutes of the call being made a nurse was on the doorstep, followed in another minute by the gynæcologist, who had travelled three miles and was only summoned after the first man on the rota was found not to be at home. The procedure is simply this: the doctor or someone acting for him telephones to the maternity hospital where the outfit is kept, asking for the service to be put in motion, and giving name and address of patient and name of consultant desired. The hospital rings up the consultant named and if he is not at once available one of the others on the panel of four takes his place. He goes direct to the patient's house unless this is outside the five-mile radius, in which case he calls to pick up the nurse and outfit. For local cases the hospital telephones to a taxi rank and sends the

[1] Root, H. F., *J. Amer. med. Ass.* March 20th, 1937, p. 947.
[2] *Amer. J. med. Sci.* 1937, **193**, 470.

[1] *Brit. med. J.* 1929, **1**, 691.

nurse and outfit direct to the patient's house. The agreed charges for Newcastle-upon-Tyne are: consulting fee two guineas, operation fee four guineas, nurse and outfit one guinea, taxi charges extra. Outside Newcastle the service is now available in Gosforth, Newburn, Tynemouth, West Hartlepool, and generally throughout the counties of Northumberland and Durham. During the eighteen months it has been in operation some 20 emergency cases have been attended, in a number of which Prof. Murray is assured that lives have been saved.

Just over a year ago a similar flying squad was inaugurated at the Birmingham Maternity Hospital by coöperation between its honorary staff and the medical officer of health, the underlying principle of the scheme being to bring the resources of the hospital to the patient's bedside in case of serious obstetrical complications where transport would be likely to impair the chance of recovery. The equipment is supplied by the public health authority and the scheme in general is planned on the northern model. The working has been found quite simple. The practitioner in charge of the case sends two messages —one to the consultant, the other to the maternity hospital which is in close touch with the St. John Ambulance Service. Within a few minutes a senior nurse arrives with equipment which includes blankets, hot bottles, bags containing surgical requirements, and drugs appropriate for any emergency. The ambulance stays at the door in case the patient should be in a fit condition to be moved, but in practice it generally does no more than take the apparatus and nurse back to hospital. During the short period in which it has been in use the flying squad has admittedly been instrumental in providing help without which the parturient mother could not have come through safely.

THE JOURNAL OF THE UNIVERSITY OF MANCHESTER

THE first issue of the *Journal of the University of Manchester* represents a venture which must be successful. The journal will be recognised by all the members of the university as forming a common bond between the graduates, providing them with topical news and interesting personalia as well as information on developments in university policy. If future issues maintain the standard of No. 1, Vol. I, the journal will be welcomed not only by those whom it is specially designed to please, but by all interested in university education. The recent growth of the University of Manchester and the part to be played in the future by university education are set out in two opening essays by Sir Ernest Simon, treasurer of the university, and Prof. Godfrey Thomson, whose Ludwig Mond lecture, delivered last autumn at Manchester, is now reproduced. Prof. Thomson closes with these words which all who take heed to the meaning and needs of education will endorse:—

"The only hope for unity, permanent unity, among mankind is through the rule of intelligence, through the cultivation, by an education proper to each, of the intelligence of all. The schoolmaster is right who considers that his sole business is to lead his pupils to see truth clearly, and who holds that that is in itself character-training, and the only character-training the school may lend itself to, if it is to refrain from serving party or class, colour or race, or prejudice of whatever kind, but is to serve civilisation and all mankind."

The university is the next stage to the school, and this broad social view is even more obvious in university training. The new journal exhibits the University of Manchester as a centre of liberal progress and its graduates will welcome it. And it is a present to them for it will be supplied without charge to them and the friends of the university on application to the Manchester University Press, Wright-street, Manchester.

"LYMPHATOLOGY"

A SYSTEMATIC study has been pursued for many years at the anatomical institute of the University of Kyoto into properties of lymph and the lymphatic system for which subject they use the convenient term "lymphatology." Recent results are recorded [1] in a series of papers numbered 76–101 by a group of workers under the general direction of Prof. S. Funaoka. The rabbit has been the experimental animal throughout, and lymph was obtained from afferent and efferent trunks of the popliteal gland, from the gland capsule itself, and from lymphatics of liver and intestine by simple collection or perfusion. In order to collect lymph at these sources special techniques have been developed. Many of the workers have exploited the method devised by Prof. M. Watanabe under the guidance of Funaoka by means of which all lymphoid tissue is removed from popliteal glands and lymph is collected in the shell of the capsule that remains behind. Lymph obtained by this means is referred to as "Brunnenlymphe" to distinguish it from that obtained from afferent and efferent trunks. An improved method for gaining access to the efferent popliteal lymphatic has been devised by Y. Yoshida. It consists in constricting the efferent vessel together with the nutrient artery by means of a ligature, till it is distended with stagnant lymph. Then, when it is easily visible, a large-sized hypodermic needle is passed into its lumen, a second ligature is passed round the needle and the first is removed. This manœuvre diminishes damage to blood-supply in the gland and the danger of contamination of lymph by cells and serum. A method for obtaining liver lymph is described by Funaoka and S. Sumiya. Various quantities of the lymph which was obtained are given in a Table, but unfortunately no mention is made of the time taken to collect these amounts. In this respect the contribution by K. Okamoto is especially interesting for he gives the following details: the difficulty in obtaining peripheral lymph depends upon the time of year; it is more difficult in April and at the end of October (in Japan); by the "Brunnenlymphe" method the quantity collected in the first half hour varies from 0·3–1·5 c.cm., and the mean is 1·42 c.cm. per hour; the limb from which this flow was obtained was normal, was not massaged, and the animal was loosely held round the abdomen. Details such as these are conspicuously lacking in the form in which most of this Japanese work is available to European and American readers, and they are of far greater interest than tabulated results of scantily described experiments.

Most of the contributions to these two sections deal with chemical constituents of lymph under normal conditions; more than one author has sought for ferments passing out of lymphatic glands and in lymphocytes; a few have examined lymph for immune bodies in various experiments; several papers describe the morphology and characters of cells in lymph; the vexed question of regenerative capacity of lymph nodes is tackled by one author, and X ray records of injected lymph vessels have been

[1] *Acta Sch. med. Univ. Kioto*, 1936, **19**, Fasc. I and II.

used in an examination of normal and retrograde lymph flow.

Part II ends with a concise summary by Prof. Funaoka of chemical investigations done at his institute as well as elsewhere and his promise to develop certain special themes in future volumes.

THE TAVISTOCK CLINIC'S APPEAL

THOSE who were associated with the institute of medical psychology now situated at Malet-place, W.C.1, in its early days at Tavistock-square, will rejoice that the old name is to be restored. This welcome change comes, however, at a time of severe crisis for the clinic. It is one of the very few institutions which gives psychotherapy to out-patients suffering from neuroses and psychoneuroses and provides post-graduates with opportunity to study the various methods employed by its staff. It promotes many courses of lectures and demonstrations on mental health for medical and lay workers and also maintains a child guidance clinic. All this work is supported entirely by voluntary generosity; the medical staff are either unpaid or receive very small honorariums.

The council of this excellent clinic are now faced with serious shortage of money. A year ago they hoped almost immediately to build and equip a hostel for in-patients in the neighbourhood, but they received so little financial support that they did not feel justified in carrying out the plan. The lease of the present hostel was due to expire in a few months but it has fortunately been possible to arrange for an extension until midsummer next year. This is, however, only a respite and financial help is none the less urgently needed. The council say in their annual report for 1936 that unless the situation is promptly relieved they will be forced to curtail the clinic's work and to abandon its promising extension. It would be tragic if the development of the work of this clinic were thus hindered. In many other countries the problem of the mentally unfit is dealt with on a much larger scale; for example, Vienna has a dozen counterparts of the Tavistock Clinic. It would be a veritable disgrace if this pioneer clinic, which is even now quite inadequate in quantity though not in quality to meet the needs of London alone, failed to find support. It is doing fine work and has large numbers of patients clamouring for help. The council are making a special appeal to the industrial community, and especially to large employers of labour. There is every reason why they should get a response, since one-third of the incapacity of employed persons in this country is attributed to functional nervous disorder; and in addition, thousands of workers who are not actually incapacitated have their efficiency much reduced by neuroses, with an aggregate loss to the nation's industry, which is not easy to measure but is certainly severe.

ETHYL STRYCHNINE AS A RESPIRATORY STIMULANT

THE important uses to which a drug might be put which had the power to exert a stimulating action directly on the medulla need no demonstration. Respiratory arrest during anæsthesia may be mentioned merely as one example. Experiments which their authors believe establish the value of ethyl strychnine as such a drug have now been described by M. Aiazzi-Mancini and L. Donatelli[1] They point out the striking difference between the effects of strychnine and those of ethyl strychnine. The former, which was at one time much recommended for injection during surgical emergencies associated with shock, has long been disapproved of in these circumstances, the researches of Crile having had much to do with forming the conclusion that strychnine in spite of its stimulant power is exhausting and dangerous when applied to an acutely depressed nervous system. The most commonly employed restoratives for failure of breathing are at the moment carbon dioxide, with or without oxygen, Coramine, and lobeline. The authors to whom we have referred believe that ethyl strychnine may prove superior to these clinically, as it has in their experimental work. Previous observers working with strychnine have maintained that respiratory depth is increased by injection of the drug only if the stage of convulsion is reached. Ethyl strychnine, on the other hand, is able to stimulate the medullary centre in doses which do not modify spinal activity. Moreover its toxicity to a normal animal is only a twentieth of that of strychnine. In animals under narcotics and anæsthetics ethyl strychnine was found to increase greatly the depth of breathing, without having much effect on the rate. In doses of 0·05 to 0·25 mg. per kg. of body-weight the action is prolonged and unaccompanied by any convulsive effect. Undesirable symptoms were produced only if the drug was injected into a vein. The authors insist therefore that ethyl strychnine should be used intramuscularly, or under the skin. The doses needed to stimulate animals poisoned by narcotic or anæsthetic were of course much greater than those which stimulated respiration in the normal animal.

[1] *J. Pharmacol.* March, 1937, p. 304.

MEDICINE STAMP DUTY

IN the Budget the Chancellor of the Exchequer has found the extra money he needed without acting on the recommendations of the Select Committee on Medicine Stamp Duties, which showed him how to add £3,000,000 or thereabouts to the revenue. Thus for the time being the report is shelved, but it is not likely to be forgotten. "I am having the recommendations examined," said Mr. Chamberlain, "but in view of the very complex issues involved and the existing strain on the time of Parliament I am not proposing to introduce legislation on this subject in the Finance Bill this year." Such a source of revenue as exposed by the committee cannot be overlooked indefinitely, but, in the meantime, other means of keeping the traffic in proprietary medicines within reasonable bounds may be explored.

WE regret to announce the death on April 18th of Dr. Archibald Donald, emeritus professor of obstetrics and gynæcology in the University of Manchester.

MEDICAL SERVICES IN U.S.S.R.—7528 million roubles (nominally about £290 millions) is allocated from the State budget of the Soviet Union for health protection in 1937, as against 5803 million roubles in 1936. It includes an expenditure of 1000 million roubles on building. The number of hospital beds in 1937 will be brought up to 619,800 as against 564,000 in 1936; maternity beds to 11,078 as against 6000. The public nurseries will be extended in the urban areas to provide places for 609,000 children as against 464,000 in the previous year, and in rural areas to provide places for 570,000 children as against 378,000. Sanatoriums and health resorts in 1937 will provide 95,000 beds as against 91,500 in 1936; while the number of beds at the rest homes run by the trade unions will be increased from 99,300 to 105,000.

PRINCIPLES OF MEDICAL STATISTICS

XVII—CALCULATION OF THE CORRELATION COEFFICIENT

THE correlation coefficient, r, is most easily calculated from the formula r = mean of the values of (observation of x minus mean of the observations of x) × (corresponding observation of y minus mean of the observations of y) ÷ standard deviation of x × standard deviation of y. Or in the symbols previously used,

$$r_{xy} = \frac{\text{Sum of values of } (x - \bar{x})(y - \bar{y})}{n\sigma_x\sigma_y}$$

The Ungrouped Series

Suppose, for instance, we have measured on twelve persons their pulse-rate and their stature, and wish to measure the degree of relationship, if any, between the two by means of the correlation coefficient. The twelve observations are given in columns (2) and (3) of Table X A.

TABLE X A

Individual No.	Resting pulse-rate in beats per minute.	Height in inches.	x^2	y^2	Mean x.	Mean y.	(6) × (7).	$x \times y$ or (2) × (3).
(1)	x (2)	y (3)	(4)	(5)	(6)	(7)	(8)	(9)
1	62	68	3,844	4,624	−10	−1	+10	4,216
2	74	65	5,476	4,225	+ 2	−4	− 8	4,810
3	80	73	6,400	5,329	+ 8	+4	+32	5,840
4	59	70	3,481	4,900	−13	+1	−13	4,130
5	65	69	4,225	4,761	− 7	0	0	4,485
6	73	66	5,329	4,356	+ 1	−3	− 3	4,818
7	78	69	6,084	4,761	+ 6	0	0	5,382
8	86	70	7,396	4,900	+14	+1	+14	6,020
9	64	72	4,096	5,184	− 8	+3	−24	4,608
10	68	71	4,624	5,041	− 4	+2	− 8	4,828
11	75	68	5,625	4,624	+ 3	−1	− 3	5,100
12	80	67	6,400	4,489	+ 8	−2	−16	5,360
Total 12	864	828	62,980	57,194	0	0	−19	59,597
Mean values	72	69	5248·33	4766·17	—	—	−1·58	4966·42

The standard deviations can be found, as shown before, by squaring each observation, finding the mean of these squares, subtracting from it the square of the mean, and taking the square root of the resulting figure. The standard deviation of the pulse-rates is therefore $\sqrt{5248{\cdot}33 - (72)^2} = 8{\cdot}02$ and of the height is $\sqrt{4766{\cdot}17 - (69)^2} = 2{\cdot}27$. The deviation of each individual's pulse-rate from the mean pulse-rate of the twelve persons is given in column (6) and of each height from the mean height in column (7). If there is any substantial (and direct) correlation between the two measurements, then a person with a pulse-rate below the mean pulse-rate ought to have a stature below the mean height, one with a pulse-rate above the mean rate ought to have a stature above the mean height. (If the association is inverse positive signs in one will be associated with negative signs in the other.) Inspection of the figures suggests very little correlation between the characteristics. For the numerator of the correlation coefficient formula we need the product of the two deviations shown by each person. These are given in column (8). Their sum is −19 and their mean is therefore $-19/12 = -1{\cdot}58$. The coefficient is reached by dividing this mean product value by the product of the two standard deviations—namely, 8·02 × 2·27, and gives a value of −0·09. In other words in these twelve individuals the pulse-rate and stature are not related to one another.

In the example taken this is a satisfactory mode of calculation because the mean pulse-rate and the mean height are whole numbers and also the original measurements are whole numbers; it is, then, easy to calculate the deviation of each observation from its mean. But if decimals had been involved the deviations would have been troublesome to calculate. In that case it is easier to avoid altogether using deviations and to multiply directly the pulse-rate of each person by his stature, as in column (9), applying a correction at the end to the resulting mean value. The correction necessary is this: from the mean value of the products thus found we must subtract the product of the two means—i.e., the product of the distances between the points from which we chose to measure the deviations and the points from which we ought to have measured them. In the example taken this gives $4966{\cdot}42 - 72 \times 69 = -1{\cdot}58$, or the same value as was previously reached by working with the real deviations from the means.

This is the simplest and best method of calculating the two standard deviations and the correlation coefficient between the characteristics in anything up to 50–60 observations. With a larger series of observations, finding the individual squares and products becomes progressively more laborious and it is better to construct a grouped correlation table.

The Grouped Series

As an example, we may take for each of a number of large towns in England and Wales (1) a measure of the amount of overcrowding present in a given year, and (2) the infant mortality-rate in the same year; we wish to see whether in towns with much overcrowding the infant mortality-rate tends to be higher than in towns with less overcrowding. We must first construct a table which shows not only how many towns there were with different degrees of overcrowding but also their associated infant mortality-rates.

Table X B gives this information. The town with least overcrowding had only 1·5 per cent. of its population living more than 2 persons to a room (this being used as the criterion of overcrowding); the percentage for the town with most overcrowding was 17·5. The lowest infant mortality-rate was 37 deaths under 1 per 1000 live births and the highest was 110. Reasonably narrow groups have been adopted to include those maxima and minima and each town is placed in the appropriate "cell"—e.g., there were 5 towns in which the overcrowding index lay between 1·5 and 4·5 and in which the infant mortality-rates were between 36 and 46, there were 2 in which the overcrowding index lay between 10·5 and 13·5 and in which the infant mortality-rates were between 86 and 96. (If a very large number of observations is involved it is best to make a separate card for each town, person, or whatever may have been measured, putting the observed measurements on the card always in the same order; the cards are first sorted into their proper groups for one characteristic (overcrowding), and then each of those packs of different (overcrowding) levels is sorted into groups for the other characteristic (infant mortality). The cards in each small pack then relate to a particular cell of the table.)

Table X B shows at once that there is some association between overcrowding and the infant mortality-rate, for towns with the least overcrowding tend, on the average, to show relatively low mortality-rates, while towns with much overcrowding tend to show high mortality-rates. The table is, in fact, a form of scatter diagram.

TABLE X B

Overcrowding and Infant Mortality. Example of Correlation Table

Infant mortality-rate.	Percentage of population in private families living more than two persons per room.						Total.
	1·5–	4·5–	7·5–	10·5–	13·5–	16·5–19·5	
36– ..	5	..	..	..	..	..	5
46– ..	9	1	..	..	..	..	10
56– ..	10	4	1	..	..	1	16
66– ..	4	7	5	2	..	..	18
76– ..	2	5	4	1	1	..	13
86– ..	..	2	2	2	..	1	7
96– ..	..	1	2	2	1	1	7
106–116 ..	..	1	..	1	..	..	2
Total ..	30	21	14	8	2	3	78

To calculate the coefficient of correlation we need (1) the mean and standard deviation of the overcrowding index; (2) similar figures for the infant mortality-rate; and (3) for each town the product of its two deviations from the means—i.e. (overcrowding index in town A minus mean overcrowding index) × (infant mortality-rate in town A minus mean infant mortality-rate). In other words we wish to see whether a town that is abnormal (far removed from the average) in its level of overcrowding is also abnormal in the level of its infant mortality-rate. In calculating the means and standard deviations of the two distributions we can entirely ignore the centre of the table; we have to work on the totals in the horizontal and vertical margins. The method is shown in Table X C.

TABLE X C

Overcrowding and Infant Mortality. Calculation of Correlation Coefficient

Infant mortality-rate.		Percentage of population in private families living more than two persons per room.						Total.
		R.U.: 1·5–	4·5–	7·5–	10·5–	13·5–	16·5–19·5	
R.U.	W.U.	W.U. −2	−1	0	+1	+2	+3	
36–	−3	5 (+30)	..	..	..	..	..	5
46–	−2	9 (+36)	1 (+2)	..	..	..	..	10
56–	−1	10 (+20)	4 (+4)	1 (0)	..	..	1 (−3)	16
66–	0	4 (0)	7 (0)	5 (0)	2 (0)	..	..	18
76–	+1	2 (−4)	5 (−5)	4 (0)	1 (+1)	1 (+2)	..	13
86–	+2	..	2 (−4)	2 (0)	2 (+4)	..	1 (+6)	7
96–	+3	..	1 (−3)	2 (0)	2 (+6)	1 (+6)	1 (+9)	7
106–116	+4	..	1 (−4)	..	1 (+4)	..	..	2
Total	..	30	21	14	8	2	3	78

R.U. = Real units; W.U. = Working units.

For instance, we see from the right-hand totals that in 5 towns the infant mortality-rate was between 36 and 46, in 10 between 46 and 56, in 16 between 56 and 66, and so on. Of this distribution we want the mean and standard deviation. As shown previously these sums are more easily carried out in "working units" instead of in the real, and larger, units. In these units we have 5 towns with an infant mortality-rate of −3, 10 with a rate of −2, and so on. In working units, therefore, the sum of the rates is +5 and the mean rate is +5/78 = +0·06. The mean in real units is, then, 71 (the centre of the group opposite 0) + 0·06 × 10 (10 being the unit of grouping) = 71·6. To reach the standard deviation we continue to work in these units. Measuring the deviations from the 0 value instead of from the mean there are 5 towns with a squared deviation of $(-3)^2$ and these contribute 45 to the sum of squared deviations; there are 10 towns with a squared deviation of $(-2)^2$ and these contribute 40 to the sum of squared deviations.

In working units the sum of squared deviations from 0 is thus found to be 237. The mean squared deviation from 0 is 237/78 = 3·0385 and from this, as correction for having measured the deviations from 0, we must subtract the square of 0·06, the value from which we ought to have measured the deviations. The standard deviation of the rates in working units is therefore the square root of $3{\cdot}0385 - (0{\cdot}06)^2 = 1{\cdot}742$, and in real units is 1·742 × 10 = 17·42.

We can now work in just the same way on the distribution of overcrowding—there are 30 towns whose overcrowding index in working units was −2, 21 whose index was −1, and so on. This gives a mean and standard deviation in working units of −0·77 and 1·329, and in real units of 6·7 and 3·99. In this there is nothing new; the process was given in full in Section XVI.

We now need the product of the deviations from the means for the numerator of the correlation coefficient. This is easily reached by continuing to measure the deviations in working units from the 0 values and making a correction as usual at the end.

For instance, there are 5 towns the deviation of which is −2 in overcrowding and −3 in infant mortality. The product deviation is therefore +6, and as there are 5 such towns the contribution to the product deviation sum is +30. Each of these values can be written in the appropriate cell (they are the figures in parentheses in Table X C). Their sum is +107 and the mean product value is +107/78 = +1·3718. These deviations in working units were measured from the two 0 values whereas they ought to have been measured from the two mean values, +0·06 and −0·77; therefore as correction we must subtract from +1·3718 the product of +0·06 and −0·77 (as in the ungrouped series, the correction is the product of the distances between the points from which we chose to measure the deviations and the points from which we ought to have measured them). The numerator to the coefficient is therefore +1·3718 − (0·06 × −0·77), and the denominator is the product of the two standard deviations; so that

$$r = \frac{+1{\cdot}3718 + 0{\cdot}0462}{1{\cdot}742 \times 1{\cdot}329} = +0{\cdot}61.$$

(It may be noted that as the numerator is in working units, *the standard deviations must be inserted in their working units.*)

There is we see a fair degree of correlation between overcrowding and the infant mortality-rate, but at the same time Table X B shows that with towns of the same degree of overcrowding there are considerable differences between the infant mortality-rates. The standard error of the coefficient is $1/\sqrt{n-1} = 1/\sqrt{78-1} = 0{\cdot}11$; as the coefficient is more than five times its standard error it may certainly be accepted as "significant."

The calculation is very much speedier with the observations thus grouped and little change has been

made in the values reached, as the following figures show :—

—	Grouped series of Table X B.	Same 78 observations ungrouped.
Means—		
Overcrowding	6·7	6·6
Infant mortality ..	71·6	71·0
Standard deviations—		
Overcrowding	3·99	3·74
Infant mortality ..	17·4	17·3
Correlation coefficient ..	+0·61	+0·59

The regression equation is—

Infant mortality minus 71·6 = $+0{\cdot}61 \frac{17{\cdot}4}{3{\cdot}99}$ (overcrowding index minus 6·7) which reduces to—

Infant mortality = 2·66 overcrowding index + 53·78. (It must be noted that the values in *real* units must be inserted in this equation.) In other words the infant mortality rises, according to these data, by 2·66 per 1000 as the percentage of the population overcrowded increases by 1.

A. BRADFORD HILL.

SPECIAL ARTICLES

BRITISH HEALTH RESORTS ASSOCIATION

A MEETING of the British Health Resorts Association was held at Skegness on Saturday last. The conference was well attended and the various advantages that might be derived by the sick, the convalescent, and the public from the facilities offered at the different centres in this country were brought out. The congressists were the guests of the municipality.

Lord Meston, the president of the association, spoke of the inception of the movement and of its development from a winter-in-England movement into a body not only interested in presenting the claims of British resorts on to the attention of the medical profession and the public, but also in promoting the study of the climatic and other conditions which made these resorts suitable ; or perhaps unsuitable, as health seekers at different times of the year must have resorts selected for them. He pleaded for greater support by local authorities, whose interests the association was unselfishly serving, but noted the steady improvement in hotels, to which he thought the action of the association had contributed. Speaking from personal experience in many countries, he held that the British hotels "had nothing to fear from comparison if like were compared with like."

The chairman of the Skegness urban district council, Mr. J. Crawshaw, presided at the first session, dealing with

Industry and the Health Resort

Mr. A. L. Peterson; managing director of the Spirella Company of Letchworth, spoke as an employer in a firm which had made complete arrangements for the welfare of its employees. As most of the users of health resorts, he said, were connected with industry it was important for employers who desired to be progressive should be told more of the advantages of these resorts for the workers. He stressed the point that, with payment for holidays, a movement which was advancing, there would be great opportunities for health resorts placed in proximity to the centres of industry. He said that there should be talks in the factories on how holidays could be used so that holiday-makers could get the best value out of them.

Mr. Ernest Bevin, general secretary of the Transport and General Workers Union, said that the provision of holidays with full pay for the workers was one of the principal struggles of the movement he represented. The different treatment of staff, public servants, and others employed in more favourable occupations, as against the actual workers, formed a serious grievance. Since the war the more enlightened employers were realising that the granting of holidays with pay was not only an advantage to the working person and his family but to industry itself. Unpaid unemployment, moreover, had risen periodically so that the whole question of what might be termed the contractual period for labour had been brought within the realm of practical politics and the Government had now set up a committee, of which he was himself a member, to consider the whole problem.

THE AMENITIES OF HEALTH RESORTS

There was need for the creation of an industry to cater for the holiday needs of the workers ; there should be a scientific study of the whole matter and the provision of holidays for the workers would open an avenue of employment for thousands of others. He held that the British health resorts had not taken a sufficiently enlightened view to meet the requirements that this new development would entail. It had been demonstrated that a great set-off against the cost of holidays to industry generally was the decrease in sick leave and absenteeism. The English climate was not an easy one for which to cater, but the kind of shelter put up along sea fronts, with a glass partition in the centre, was quite inadequate to meet the weather changes and yet these shelters were an absolute necessity if visitors were to derive the benefit of the sea air. And when holiday resorts were planned there must be a real drive to secure a better standard of accommodation. Although "hot and cold running water" in every room was so readily advertised, in thousands of houses, which the workers now have to use, the accommodation was quite out of date ; yet from a health point of view, good accommodation and bright surroundings were an even bigger contribution to recuperation than medicine. Taking the British seaside resorts generally, the municipalities had spent more money and were superior to continental resorts in the arrangements made to cater for the pleasures of the people. But in accommodation and cuisine they lagged behind. Here was a great opportunity for municipal enterprise which would be called for, since the extension of holidays over a lengthened season would cause the question of holiday centres or homes to be dealt with. These could not be erected in every health resort, and if the millions were to be catered for some development must occur. In many industries it was impracticable for the whole of the workers to take their holidays during the summer months and there were three other periods in the year which offered opportunity for catering, if correctly handled—i.e., late October, Christmas, and Easter. The maintenance of our health resorts would be largely dependent upon catering for the masses. Amongst the so-called

middle classes the idea was sometimes prevalent that the masses were just vulgar people, and so cheap and nasty accommodation was held to be good enough. But the popular standards were rising and time would show inadequate accommodation to be a very short-sighted policy. The food-catering arrangements must be improved; people were used to better fare both in homes and restaurants and would not tolerate the stodgy, unappetising meals now set before them.

PRESERVATION OF THE COUNTRYSIDE

Mr. Bevin spoke earnestly on the need to preserve the beauty of the countryside and coastline. "With the planning of the health resorts," he said, "and with improved architectural arrangements, due regard must be paid to the preservation of the coastline and countryside. So many beauty spots are spoiled by building speculators and others, whose sole idea is to reap in money in one form or another, and many local authorities also succumb to the desire to share in these developments. They do not fully realise their responsibilities and do not sufficiently exercise their powers of control. It must be remembered that a holiday is not only for enjoyment, to be effective it must also be cultural and health-giving, and whilst you may bring prosperity to a few citizens by allowing development to go on in an haphazard manner, it is a short-sighted policy, and local authorities may find themselves saddled in a few years with burdens they should never have undertaken. Local authorities should exercise a strict control on the erection of buildings, whether for pleasure, hotel, or housing purposes, and keep them in conformity with the best architectural standards and the traditions of the place, plus the acceptance of modern ideas. Avenues, public gardens, and vistas should be kept spacious and ample space provided for recreation and games."

He went on to plead for more attention to the case of the children; the holiday, he pointed out, was not only for the man, it was for the woman also, and the family problem was a very serious one, so that facilities for the children to play in covered shelters during bad weather must be made. He commended the action of those local authorities who provided play centres on the beach, where the younger children could be looked after by trained nurses, allowing the mother to safely leave them for a few hours. He advocated holiday camps for children. The development of inland centres he commended as preventing the coastal resorts from being overcrowded and leading to a greater use being made of our spas and hydros. Here he pointed out that the preservation of the beauties of the surrounding countryside and its historical features would in the long run lead to and hold the business.

SUITABLE CONVALESCENT HOMES

Of the employment of health resorts to a much greater extent for the provision of convalescent treatment, Mr. Bevin said that trade unions, friendly societies, approved and other societies had established buildings and homes under their own management, leading to a limited form of treatment and selection whilst, at the same time, literally thousands of pounds were being spent in convalescent benefit. The whole arrangement was uneconomic and the fullest benefit was not being derived. A coördinated scheme, in conjunction with our health resorts, for the municipalities and the societies to take a hand in really planning convalescent home treatment was wanted. For suitable arrangements for curative treatment and a pleasant and restful vacation it would be a real boon. But convalescent homes must not be developed on institutional lines; they must be well appointed and free from too many restrictions, while the rooms should be large and airy, and cheerfully decorated. The home should stand in its own grounds. He added that although there were quite a number of convalescent homes throughout the country for men, the number provided for women was totally inadequate.

Mr. Bevin concluded by asking for a Government commission to examine the problem of planning, equipment, and coördination of health resorts. He said: "I should like to see the Health Resorts Association urging the Government to set up a Royal Commission to examine the whole problem of planning, equipment, and coördination of health resorts. The work of this Royal Commission could proceed concurrently with that of the Holidays with Pay Committee, so that as a rapid expansion of holidays takes place we can get a great drive for public development and so cater for what will become a very important and vital industry to this country. The Royal Commission should not only take into account the planning of the existing health resorts, but also the problem of equipping such resorts. This may have a very great bearing upon certain spots in the Special Areas. . . . The trade unions who have been working on this problem of holidays with pay and now have the task of trying to weave it into our industrial fabric have created as it were a raw material for the development of our health resorts far beyond the dreams of any of those who have been engaged in the business in the past."

THE HOLIDAY ATMOSPHERE

Dr. Leonard P. Lockhart, medical officer, Boots Pure Drug Co., Ltd., opened with the following wide definition of a health resort—"as I understand it is any place where a holiday can be spent." Hence it followed that it should meet the needs either of the person desiring a holiday or the person who is undergoing a routine treatment or resting for convalescence. He drew sound distinctions between the holiday maker and the patient, holding the holiday atmosphere to count most in most cases, and regretting that people were not sent away more often as a prophylactic. From personal experience he held that more care should be taken to choose only the right cases to be sent away, and he believed that in the convalescent home established by Messrs. Boots at Skegness, money was spent on just those cases. Holidays properly based on rates of pay would reduce the sick absentees. He pointed to the value of holidays being taken in family groups.

Mr. J. J. Hewlett, representing the Hotels and Restaurants Association, disclosed some of the difficulties experienced by the hotel-keeper, especially in places with short seasons, reminding the audience that hotels in Great Britain were handicapped as those on the Continent were not, by Government restrictions as well as by increasing rates and taxes.

The chair was taken at the afternoon session by Dr. A. D. F. Menzies, M.O.H. for Skegness, and the session was devoted to the consideration of

Games, Sport, and Sea-bathing

The discussion was opened by Sir Kaye Le Fleming, who said that he was not speaking as a member of

the Government Advisory Council on Physical Education, and was omitting from his remarks any consideration of nutrition, although attention to nutrition was essential in any national attempt to raise physical standards. Pleasure, he said, could not be fully enjoyed without an education in its use; it was relaxation after work and the re-creation of faculties for work. The British were a games-loving people, and games were the specialised ends of physical education. Hence he would give a prominent place in the betterment of physical culture to such sports as tennis, swimming, and skating, which produced the balanced mind in the balanced body, and would put in a plea for deck tennis, a game which it was easy to provide cheaply and which, as it took up little space, could be played indoors. All these sports, he thought, should be available for the mass of the workers, so that they would have a chance to develop a sense of pleasure in the fitness of their bodies. With regard to bathing, he pointed out that there should be attached to every bathing centre a building—call it a gymnasium—not provided with any elaborate apparatus, but where, while exercises could be indulged in, music and opportunities for refreshment were provided. In sea-bathing much of the advantage was in the free exposure of the skin to the air and the reluctance of the male sex in this direction must be overcome; women had already got over it. The medical profession would have to give more serious study to the problems connected with physical education. And with regard to Skegness, he held the centre up to praise for the efforts that had been made to supply the necessary amenities, adding that such efforts must be made more freely at seaside resorts.

Dr. Cove Smith said the new Government movement in favour of physical education had come none too soon. The kind of individual we want to produce is the man and woman who *is* fit and *feels* fit. It was no use in so developing gymnastics that we produced people with the muscles of a Sandow who would die in the fifties with a fatty heart. The problem was to find out how our spare time, of which there would be more for many people, could be best employed. Modern machine repetition work had unbalanced the average worker, while artificial inducements to exercise could not take the place of exercise in the open air. He dealt with the technical aspects of sea-bathing, the appreciation of which was a comparatively new development. On the authority of Fanny Burney he said its popularity dated from the time when King George III took the sea at Weymouth, followed by a bathing-machine containing fiddlers who played "God Save the King."

Dame Louise McIlroy attributed great virtues in many gynæcological cases to seaside treatment. Girls who had been accustomed to much active exercise at school often fell into poor health when they were deprived of this, and a visit to the seaside with active exercise and bathing was of great value. The same applied to many women in sedentary occupations rather than to those whose work was more active and sometimes really heavy. Middle-aged women with tendency to fat were greatly benefited. This country was behind the Continent in its health resorts, but, things being equal, the avoidance of long and tiring journeys, with language and customs difficulties, must be remembered. The native doctor could better treat the patient, understanding her psychology and her home conditions, than a foreign one could. It was a mistake to try to imitate continental cooking. She supported Mr. Bevin's plea for more convalescent homes.

Dr. Menzies gave interesting figures about the meteorology of Skegness. There was a low rainfall and a high ultra-violet rate. The place was specially good for post-operative cases and their best months were April, May, and October. The tonic effect was greater then than in the summer months. They were proud of their children's day nursery with its trained nurses. They were fully alive to the importance of accommodation at hotels, and had made a survey last year which would show good results. Their physical culture classes on the beach were very popular.

Dr. H. Sanguinetti (London) referred to Prof. Kestner's recent work on the effects of sea air on children and said it pointed out one way in which doctors could take a greater part in the investigations needed to place this subject on a thoroughly scientific basis.

Mrs. McCrae, M.B. (London), from her experience of child welfare work, strongly supported the claim of the wife of the industrial worker for the benefits of the seaside. These she could not get unless she were at the same time relieved of much of her maternal worries.

Lieut.-Colonel W. Byam, R.A.M.C. (ret.), chairman of the Medical Advisory Committee of the Association, in moving a vote of thanks to the chairman, said many sound ideas had been ventilated which would receive the attention of his committee.

HOSPITALITY

In the evening the members of the conference, along with members of the local council and their ladies, were entertained at a banquet at the County Hotel. Lord Meston proposed the toast of Skegness, to which the chairman of the council replied, giving many interesting details as to the growth and progress of the town. Councillor C. T. Jessap proposed the health of the association, to which Dr. Alfred Cox, the secretary, replied. The banquet, which was enlivened by songs, was a pleasant termination to a most successful conference.

MEDICINE AND THE LAW

Successful Claim against Widow of Doctor

THE litigation in Connolly *v.* Rubra forms a menacing precedent for the medical profession. A civil servant named Connolly dies of tuberculosis. His right of action does not die with him. His widow sues Dr. Rubra, who attended the patient, and alleges negligence in diagnosis and treatment. Dr. Rubra is himself too ill to appear in court; he dies before the case is decided and damages to the amount of £5000 are awarded against his estate. The Court of Appeal declines to interfere.

Lord Justice Greer, delivering the unanimous judgment of the court on April 7th, emphasised the difficulty of the case. The original trial had taken place before Mr. Justice Greaves-Lord "in circumstances of very great difficulty," inasmuch as the chief witness for the defence was not available. The trial judge had to decide whether he should accept the evidence of the plaintiff, Mrs. Connolly, as to conversations she had with Dr. Rubra. As the Court of Appeal observed, Dr. Rubra could not be called

to give his version of the facts; all that could be done was to criticise Mrs. Connolly's evidence by reason of letters she had written and by reason of the absence of corroborative entries in Dr. Rubra's books. Then there was another "very difficult question indeed." The plaintiff had to establish not only that Dr. Rubra was negligent but also that his negligence was the cause of shortening the life of the patient. Lastly "the question of damages was also one of great difficulty." It was difficult for Mr. Justice Greaves-Lord to assess the amount; he must not fail to take into account the common risks of life to which all persons, even if healthy, are subject. It was also "very difficult for the Court of Appeal to interfere with his judgment, even though they might happen to think themselves that the award is rather on the generous side." The Court of Appeal was not entitled to assume that the trial judge failed to take into account the fact that Mr. Connolly was "a frail and chesty patient." Unless the trial judge took into account matters which he ought not to have taken into account, or failed to take into account matters which he ought to have taken into account, the Court of Appeal would not upset his award. On the material questions of fact, said Lord Justice Greer, the trial judge, having to decide "between a living widow and a dead defendant," was entitled to make up his mind on the evidence given by the widow, provided that he took into consideration all the relevant criticisms which could be made with regard to her evidence.

It remains to summarise the observations of the Court of Appeal on the issue of professional negligence. Lord Justice Greer remarked that tuberculosis is one of many diseases with which a general practitioner commonly has to deal. If the doctor has any doubt whether or not there are signs of tuberculosis, it is his obvious duty to make further examination to resolve that doubt and to make it clear that nothing further can be done for the patient. A doctor who is not over-confident of his own judgment will, when he finds himself in a difficulty, call in an expert and decide according to the expert's views. To enable the expert's opinion to be of value it is not enough to do what Dr. Rubra did at a later period—namely, to take one specimen of the sputum and be content with that if the result is negative; he must take many specimens of the sputum and, in addition, he ought to have an X ray examination and to watch the patient to see whether he is progressing or going back as time goes on. "Dr. Rubra unfortunately did none of those things." Ought he to have suspected tuberculosis when he diagnosed bronchitis? It was here that the widow's evidence was crucial. She gave evidence at the trial of interviews she had with Dr. Rubra in December, 1930: she said she then told him of an effusion of blood from the patient's mouth in the summer holidays of 1929, of streaks of blood in the sputum towards the end of 1930, and of blood stains on his handkerchief. Believing the widow's evidence, the trial judge came to the conclusion that at the beginning of 1931, or at the end of 1930, Dr. Rubra had shown such want of competent and ordinary skill and care as justified the claim for damages. There the case stands after an attentive hearing and a judicial review with which no doctor can quarrel. A[illegible] must sympathise with Mrs. Connolly and her ch[illegible]n in their loss. Nobody disputes the bona fides of the evidence for the plaintiff. The state of the law, nevertheless, will cause the medical profession grave misgiving. Does it not often happen that the comments and statements made by a patient's relatives take on a quite different complexion when one hears the version given by the doctor? Is it fair that the law should contemplate a decision upon the evidence of one side alone, and that a deceased doctor's estate should be liable in damages to the substantial amount of £5000 when, had the doctor's own evidence been available, the plaintiff might not have succeeded in establishing her case beyond doubt? The Court of Appeal saw the difficulties of the case. If these decisions between a living widow and a dead doctor have these heavy consequences, a disturbing distraction will embarrass the practitioner's mind.

The Doctor's Bad Debts

Though the Merseyside Medical Practitioners' Association was formed to promote other and more general objects than the mere collection of bad debts, its efforts in the latter direction have attracted publicity and may be imitated elsewhere. One newspaper has stated that the Merseyside doctors estimated that outstanding accounts owing by local patients to medical men and dentists exceeded a total of £100,000. The defaults are represented as being on an unusually large scale. To prevent them from growing still larger, the members of the association undertake to furnish it periodically with lists of patients whose accounts are long overdue. The debtors are given a further chance to pay; if the chance is not taken the names are placed on a "defaulters' list," circulated confidentially to members. The doctor or dentist whose services are asked for by one of these defaulters is thus in a position to request payment in advance. This system simply applies to medical practice a method of protection well known elsewhere. Barristers' clerks have their own ways of knowing the firms of solicitors from whom no brief should be accepted without the accompanying fee. London shopkeepers are not entirely unarmed against customers who habitually open accounts without the means or intention to pay. Defaulters whom it is necessary to place on a "black list" are a nuisance: having exhausted their credit in one direction, they repeat the process in others. The plan adopted in the Merseyside district will protect newcomers from being imposed upon. Unless there is bad faith or breach of confidence in its operation, it is privileged and cannot give rise to libel actions. A doctor can of course attend a patient on the understanding that his service is gratuitous. In the absence of any such understanding, he is entitled to be reasonably remunerated for his professional work. He is certainly not obliged (unless there is some contractual obligation on his part) to attend any patient who chooses to send for him; nor is there anything to prevent him from stipulating that his services shall be paid for on a cash and not a credit basis.

A Mistake in Dispensing

At a Lancashire inquest on the death of a woman, aged 60, during an operation shortly after the administration of a local anæsthetic, it appeared that the hospital dispenser had made a mistake. He had been asked to supply a one-per-cent. solution of procaine hydrochloride; he had supplied not procaine but percaine hydrochloride. The coroner explained that, while procaine was a relatively harmless drug, percaine was deadly in anything but therapeutic doses. The patient had been in a serious condition; without surgical operation her expectation of life was limited; but her death was due to the error. It was easy, observed the coroner, to be wise after the event. A verdict of "death by misadventure" was recorded.

ARTIFICIAL FEVER THERAPY (PYRETOTHERAPY)

FIRST INTERNATIONAL CONGRESS

On March 29th at the College of Physicians and Surgeons, Columbia University, New York City, Dr. Allen O. Whipple, professor of surgery, Columbia University, welcomed the delegates to the first international congress of artificial fever therapy. Dr. Pierre Abrami, professor of pathology, University of Paris, replied, and messages were then read from Prof. A. d'Arsonval and from Prof. Julius Wagner-Jauregg who were unable to be present. Prof. d'Arsonval referred to his interest since 1890 in the physiological effects of currents of high frequency, especially the painless rise in the body temperature which follows the use of the diathermic current. His friend Ferrié had actually used a medical type of apparatus for his first trials of wireless at the Eiffel Tower. Nowadays the position has been reversed and the wireless industry was providing short-wave apparatus for the physician. Prof. Wagner-Jauregg said that he first began injecting tuberculin to produce an artificial fever in cases of mental disease as early as 1891. Since 1900 he had been concerned primarily with general paralysis of the insane; some of his cases treated over 20 years ago with tuberculin were still in excellent health. He stressed the value of combined fever treatment and chemotherapy, and concluded by saying that it should not be the aim of these combined methods to destroy the pathogenic organisms in the body but to improve the resistance of the organs and tissues against them, in order that the infection would eventually die away.

Over 100 papers was submitted at the congress, of which 56 were actually read. A few of them are summarised below.

PHYSIOLOGICAL EFFECTS OF FEVER TREATMENT

The first day of the congress was chiefly devoted to the physiology and pathology of artificial fever, and J. G. Gibson, I. Kopp, and W. A. Evans (Harvard and Boston, Mass.) submitted a paper on changes in blood volume during therapeutic fever. They found that the diminution in plasma volume was closely related to the intensity of sweating and weight loss. Intravenous administration of fluids soon restored the blood volume to normal. M. Pijoan, Gibson, and Kopp (Boston and Harvard University) had investigated the acid-base balance during therapeutic fever and ascertained that if there was an excessive dehydration a pronounced alkalosis might occur. J. D. Hardy (New York) had studied the mechanism of heat loss from the human body, and confirmed the view that heat loss is due to radiation, convection, and vaporisation, and depends largely on the environment. S. L. Warren (Rochester, N.Y.) contributed an interesting paper on chloride balance in artificial fever. The maintenance of a proper fluid intake throughout the treatment was vital, especially when long applications of from 10 to 24 hours were undertaken. Under suitable conditions the water loss by sweating might be compensated for by the ingestion of between 200–300 c.cm. of fluid per hour. Salt should only be administered when sweating diminished. A. H. Dowdy and F. W. Hartman (Detroit, Michigan) contributed a paper on the preparation of patients for fever therapy with special reference to sedatives and fluid intake. They advised the use of a carbamide sedative in preference to any of the barbituric acid group. It should be given first the night before the treatment and the last dose on the following morning about one hour before treatment was begun. During the treatment iced drinks of 0·6 per cent. saline and 3·0 per cent. glucose were given orally.

RHEUMATIC FEVER, CARDITIS, AND CHOREA

On the second day of the congress the use of artificial fever in a miscellaneous group of diseases was considered. E. E. Simmons and F. Lowell Dunn (Omaha, Nebraska) reported the treatment of 15 cases of acute rheumatic fever for periods varying from 8½ to 46 hours with temperatures of 103°–106° F. Thirteen patients received complete relief from joint pain and swelling, two had relapses in from 2 weeks to 2 months, and a third had a recurrence of chorea 21 months later. They believe that fever therapy reduces the symptomatic activity of the rheumatic fever and shortens the duration of the attack.

Three interesting communications on rheumatic carditis and chorea were made by S. L. Osborne, M. L. Blatt, and C. A. Neymann (Chicago, Illinois); by Lucy Porter Sutton and Katherine G. Dodge (New York); and by C. H. Barnacle, J. R. Ewalt, and F. G. Ebaugh (Denver, Colorado). Osborne and his collaborators had treated 25 children with chorea, ranging in age between 4 and 16 years, without encountering any difficulties. Nine cases were very severe, 6 moderately severe, and 10 were considered mild. The average number of treatments given was slightly less than 4 and the average stay in hospital less than 16 days. The choreic movements ceased in 22 of the cases. Sutton and Dodge have been using fever therapy since 1930 at the Bellevue Hospital, New York. They first employed injections of typhoid-paratyphoid vaccine; subsequently they have treated 50 cases of chorea with a radiant energy cabinet, the temperature maintained was between 105° and 106° F. for from 4 to 5 hours. Most patients received one or two treatments; early cases, however severe, responded most quickly to fever therapy. Altogether 400 cases were treated. A preliminary analysis of 95 treated cases compared with 75 untreated revealed a definitely lower incidence of rheumatic manifestations, including polyarthritis and carditis, in the treated group. The authors expressed their conviction that fever was capable of cutting short an attack of chorea, that the presence of active carditis was not a contra-indication, and that fever therapy might in fact be a valuable therapeutic measure in rheumatic carditis. Barnacle and his colleagues had treated 45 cases of rheumatic carditis and chorea by physically produced fever; 14 were severe, 29 moderate, and 2 mild. They preferred daily fever sessions of only 2½ hours' duration at temperatures of 105°–105·4° F. The average number of treatments given was 12·6, the average total duration of fever 32·9 hours, and the average time under treatment 22 days. All the patients responded to fever therapy though there were three recurrences. Nineteen cases had rheumatic carditis and 12 of them showed a lasting improvement in cardiac function.

RHEUMATOID ARTHRITIS AND NEURITIS

The communication of R. M. Stecher and W. M. Solomon (Cleveland, Ohio) concerned the treatment of acute non-specific infectious arthritis with artificial fever. Their 20 cases all suffered from an acute form of atrophic rheumatoid arthritis. Twelve patients received prompt relief and apparent cure, while 8 were partially relieved. The course of the disease was favourably modified in every case. Temperatures of 105° F. were maintained for from 2–25 hours

with an average of 7·3 hours in the cases showing complete recovery, and 5–30 hours with an average of 17 hours in the patients who eventually experienced only partial relief. Five out of 8 patients showing radiological evidence of joint damage were in the group which required longer treatment. The authors interpreted their results as an indication of the importance of prompt administration of fever treatment in order to avoid or minimise joint damage. A. E. Bennett and P. T. Cash (Omaha, Nebraska) dealt with the relief of neuritic pain by employing lower temperature levels and for from 2 to 4 hours' duration. Out of 20 cases of sciatic neuritis treated, 16 were completely relieved by fever therapy combined with epidural injections. Three out of 6 cases of brachial neuritis were permanently relieved by fever treatment alone. Four cases of toxic infectious polyneuritis obtained complete relief as did 3 cases of post-herpetic neuralgia.

DISSEMINATED SCLEROSIS

K. M. Walthard (Geneva) and W. Kerr Russell (London) dealt chiefly with electropyrexia in the treatment of disseminated sclerosis. In 4 of the latter's cases the gait deteriorated after treatment; in 5 there was no change; and in 6 there was improvement. Both authors stressed the difficulty of assessing the value of fever therapy in a disease characterised by natural remissions.

OPHTHALMOLOGY

J. S. McGavic (Cincinnati, Ohio) presented a preliminary report on 42 cases of various ocular diseases. He had found that in gonorrhœal ophthalmia the fever therapy seemed to increase the amount of pus formed in the conjunctival sac following the first and second treatments; thereafter the discharge steadily diminished and smears became negative in a short time. Seven cases of syphilitic interstitial keratitis showed most impressive results. Patients were generally able to keep their eyes open after one or two treatments. A shorter course and fewer permanent synechiæ were noted in cases of syphilitic irido-cyclitis. Treatment was given every other day for 5 hours, temperatures of 105°–107° F. being employed.

THERMAL DEATH TIME OF THE MENINGOCOCCUS IN VITRO

Mary L. Moench (New York) had studied the heat sensitivity of 15 strains of meningococci in vitro at temperatures used in fever therapy. A semi-solid veal infusion agar was used for the cultures. At temperatures ranging from 40°–42° C. all strains except one showed reduction or cessation of growth within 5–7 hours, the maximum reduction occurring at 41° C. and over. Dr. Moench considered fever therapy to be worth trying as an adjunct to other treatment in carefully selected cases of meningococcal infection where serum therapy had failed or could not be used.

SYPHILIS

On March 31st six papers were devoted to syphilis. A. Bessemans (Ghent) outlined his experiments with hyperpyrexia. He found that the treponemata of both rabbits and man rapidly became immobile and disappeared after a temperature of 42° C. for 1 hour or 40° C. for 2 hours. L. E. Hinsie and J. R. Blalock (New York) gave a survey of 12 years' work in a paper on serology in general paralysis of the insane; 326 patients were treated by one of four different methods of treatment: malaria, tryparsamide, and electropyrexia with and without tryparsamide. The serological findings were analysed at yearly intervals over a 12-year period. The most favourable clinical and serological results were observed in those patients who received fever therapy followed by chemotherapy. For purposes of prognosis, the authors advocated serological examination three or four years after treatment had been started. F. R. Menagh (Detroit, Michigan) had treated 90 syphilitic cases with hyperpyrexia combined with chemotherapy; more than a half showed improvement, and nearly one-half of these had been treated previously for an average of five years by chemical means without success. Of the 45 cases of general paralysis of the insane and 27 of tabes dorsalis the best results were obtained in the early cases with minimal tissue damage. Perforating ulcers and Charcot's joints were favourably influenced as were the 10 cases of optic atrophy. Ten cases of asymptomatic neurosyphilis and meningovascular syphilis did exceptionally well. W. M. Simpson and H. W. Kendell (Dayton, Ohio) had formed the opinion from a study of 34 cases of early syphilis under combined therapy that artificial fever fortifies and intensifies the curative action of chemotherapeutic agents. Fever therapy alone or chemotherapy alone was inadequate in a high proportion of control cases. C. A. Neymann (Chicago, Illinois) claimed that electropyrexia had increased the percentage of improvement in general paralysis of the insane by 21 per cent., and that the combined fever treatment and chemotherapy cured most cases of early syphilis promptly and permanently in one or two months.

GONOCOCCAL INFECTIONS

On March 31st C. M. Carpenter and Ruth A. Boak (Rochester, N.Y.) dealt with the thermal death time of 250 strains of gonococcus at a temperature of 41·5° C. (106·7° F.). The heat resistance of the organisms varied from 6–34 hours, the mean being 16·1 hours. The figures for strains isolated from patients and their consorts showed a close agreement. S. L. Warren (Rochester, N.Y.) found that 87 per cent. of 100 consecutive cases which were given fever treatment for a period equal to the thermal death time of the isolated organism at 41·5° C. were cured bacteriologically and clinically by the end of the treatment. He considered that the thermal death time test was a practical guide in determining the length of the fever treatment necessary for each individual patient. W. Bierman and E. A. Horowitz (New York) described the method by which they had treated 121 cases in the last six years, with success in 113. They first raised the systemic temperature by physical means and then applied additional heat locally to the pelvic organs, generally with the diathermic current, for a period of 7 hours. The systemic temperature was kept between 105·5° and 106·5° F. for 12 hours, during 7–8 hours of which the pelvic temperature was maintained at 109°–110° F. One to three treatments were given, but the average was only 1·4. One-third of the patients had salpingitis and the pain generally disappeared during the first treatment. F. A. Krusen, L. G. Stuhler, and L. M. Randall (Mayo Clinic, Rochester) also contributed a paper on combined systemic and local heating in gonococcal infections; 361 patients were given 1698 artificial fever treatments at an average temperature of 106·7° F. The average number of treatments per patient was five. Forty patients who proved refractory to systemic fever alone were given additional local heat, and 86·5 per cent. then developed negative cultures. Ten-hour sessions of fever were given; 92·5 per cent. of all the patients who completed

their treatment had negative cultures. They believed that often a single long session of fever, combined where suitable with additional local heat, offered the most satisfactory method of treating gonococcal urethritis, cervicitis, and pelvic inflammatory infection. A. E. Belt and A. W. Folkenberg (Los Angeles, California) found that 92·2 per cent. of their cases were consistently free from organisms following one 10-hour session of fever.

E. H. Parsons, P. N. Bowman, and D. E. Plummer (Denver, Colorado) compared the results of fever treatment in male patients with those obtained by injections, irrigations, and massage. They stated that the number of cures in the fever-treated group of acute prostatitis and complications was significantly greater than in the control group, and that the fever cases only required a quarter of the time needed for the controls. Acute prostatitis invariably disappeared after one fever treatment. J. A. Troutman, H. V. Stroupe, and D. J. Devlin (New Orleans, Louisiana) described their experiences in the treatment of 278 patients with gonorrhœa; they found that fever sessions of five hours gave early and complete relief in cases of acute epididymitis, acute arthritis, and acute prostatitis. T. G. Schnabel and F. Fetter (Philadelphia, Pennsylvania) had treated 136 cases of gonococcal infection with an average of 4½ treatments. Thirteen out of 15 cases of gonorrhœal vulvo-vaginitis were cured. Out of 93 patients with gonococcal arthritis 54 were cured and 39 improved. Comparing the arthritis cases treated by fever with the controls, they found that fever therapy appreciably shortens the period of hospitalisation and improves the prognosis. H. A. Freund and W. L. Anderson (Detroit, Michigan) described the recovery of a case of gonorrhœal endocarditis treated by artificial hyperpyrexia, and O. G. Hazel and W. B. Snow (New York) a case of gonococcal septicæmia with purpura and arthritis which was successfully treated in this way.

SOCIAL EVENTS

There was an excellent exhibition at the Waldorf Astoria Hotel, New York, at which 11 firms demonstrated their apparatus. On two evenings films were shown dealing with the various methods of inducing hyperpyrexia and the results obtained. On March 31st New York physicians entertained the foreign guests to luncheon. The congress banquet was held on March 30th, when the French delegation conferred the Legion of Honour on W. R. Whitney, C. F. Kettering, W. M. Simpson, and W. Bierman, the indefatigable secretary of this successful congress.

SCOTLAND

(FROM OUR OWN CORRESPONDENT)

EDINBURGH ROYAL INFIRMARY

THE managers of the Royal Infirmary have issued an appeal for £200,000 to complete the cost of the many extensions that they are making. An interesting development is the return of the Maternity Hospital to the Royal Infirmary, for in the year 1755 the first attempt to provide institutional facilities for maternity cases was in an attic in the old Infirmary in Infirmary-street. Forty years later a maternity hospital was established independently on the site of what is now the University Union, and in 1879 the present Edinburgh Royal Maternity and Simpson's Memorial Hospital was opened in Lauriston-place. Since its opening the number of infants born within the hospital has risen from 150 in the first year to 2500 during 1936. In addition, 950 cases were attended to in their own homes in the district. No fewer than 40 per cent. of the total births in Edinburgh occurred under the care of this institution. It is interesting, therefore, to note that the Maternity Hospital is again to come under the wing of the Royal Infirmary, and the new Maternity Pavilion, which is to have 130 beds, should be ready for occupation in 1938. An advantage of this new development is that the Maternity Pavilion will be adjacent to the present gynæcological wards.

A new nurses' home providing for additional accommodation for 300 nurses is also nearing completion. The radiological department has been equipped with the most modern apparatus and new departments for orthopædics and neurosurgery are being constructed. A new Dermatological Pavilion in which the venereal diseases department is also situated has recently been opened. In view of these extensive recent developments it is not surprising that the managers have some anxiety for the future financial position of the institution.

UNIVERSITY HALL, EDINBURGH

To celebrate the jubilee of the opening of University Hall a dinner is to be held in the North British Station Hotel on Saturday, May 29th. A large number of old residents of the various houses have intimated their desire to attend, and it is hoped that any who have not already done so, and who wish to come, will write without delay to Sir Thomas Whitson, 21, Rutland-street, Edinburgh.

BUCHAREST

(FROM OUR OWN CORRESPONDENT)

MATERNITY AND CHILD WELFARE IN RUMANIA

THERE are at present 4000 qualified midwives in Rumania, far too few for the country's needs. Unqualified women who are not properly trained have therefore to be employed in many districts and since there are not enough doctors available for consultation in difficult cases the mothers are not very well served. Dispensaries dealing specially with the protection of mothers and children number 167; most of these are managed by private charitable organisations with government subsidies. The conditions for the conduct of labour are fairly primitive in the villages, and the risk of infection is great. Confinements are still often conducted in a bed of straw, and in some remote parts of the kingdom there are no professional midwives of any kind handy and the labour is conducted by a member of the family. For complicated cases, there are 22 maternity homes in the country in connexion with hospitals or university clinics, and 20 smaller ones are maintained by private charity. The Minister of Public Health has declared his intention in 1937 to establish maternity homes in every county hospital.

The infant mortality-rate is very high in Rumania. According to Prof. Mezincescu, who is director of the Institute of Hygiene and Public Health, the rate for the last five years (1931 to 1935) has varied between 174 and 192 per 1000 live births. This high rate is attributed to the ignorance of the mothers about the hygiene, feeding, and clothing of babies. The care of infants is now to be taught to senior girls at secondary schools and to university students. In the villages also nurses will lecture to wives and

to untrained midwives. Travelling clinics and dispensaries already visit some villages twice a month and it is hoped to extend this service to all counties in the kingdom.

INTERNATIONAL CONGRESS OF MILITARY MEDICINE AND PHARMACY

The ninth international congress of military medicine and pharmacy will be held in Bucharest from June 2nd to 10th. The aims of the congress, which has been held in previous years at Brussels, Rome, Warsaw, Paris, London, Hague, and Madrid, are (1) to study practical methods of handling and treating wounded and sick soldiers; (2) to maintain good relations between the sanitary officers of various nations; and (3) to arrive at certain international conventions designed to lessen the horrors of warfare. The committee entrusted with the organisation of the congress consists of civil and military medical members, and is presided over by Surgeon-General Dr. Iliescu. The scientific programme includes the discussion of six problems; the opening addresses at each discussion will be given by representatives of different nations. The organisation of sanitary services in operation on the field and at sea will be described by members from England and the United States. Germany and Yugoslavia supply the principal speakers on the transport, hospitalisation, and treatment of gassed patients, and Swiss and Japanese delegates will discuss the use of the different colorimetrical analyses in the laboratory. Dentistry, with especial reference to edentulous soldiers, is the subject allocated to Greece and Holland, while France and Turkey will supply material for a comparative study of the alimentation of sick and wounded soldiers in time of war and peace. The organisation and functions of the surgical service attached to mechanised units will also be discussed.

The reports will be published in English, French, German, Italian, and Spanish. Membership of the congress is open to doctors, dentists, veterinary surgeons, pharmacists, or administrative officers attached to military, naval, or air force services. The registration fee is 1000 lei (about 30 shillings), which entitles members to receive official publications and to join in festivities arranged in connexion with the congress. Further information can be had from the secretariat-general, Institutut Sanitar Militar, Bucuresti, II, Rumania.

TREATMENT OF ACUTE SORE-THROAT WITH BISMUTH

At a recent medical congress Dr. Mayersohn reported experiences with the administration of bismuth in acute sore-throat. He was induced to give a trial to this practice by favourable reports published from the university clinic of Rio de Janeiro. According to these reports the symptoms of any kind of acute non-specific sore-throat were greatly reduced within 8–24 hours by the application of one or at most two intramuscular injections of bismuth. Dr. Mayersohn had applied this method in his hospital and private practice to 1180 cases with only 48 failures. Any bismuth preparation containing 0·06 to 0·08 gramme of bismuth in one dose is suitable for trial.

GRAINS AND SCRUPLES

Under this heading appear week by week the unfettered thoughts of doctors in various occupations. Each contributor is responsible for the section for a month; his name can be seen later in the half-yearly index.

FROM A TADDYGADDY

IV

"That it may please thee . . . to shew thy pity upon all prisoners and captives."

THE men who compiled the Litany had big hearts and wide understanding. They thought of everybody. Perhaps there was more time for thinking in their day, when everybody was not in such a desperate hurry to get somewhere, or do something else. Not so long ago a wise bishop suggested, in the course of a discussion on the alleged conflict between Science and Religion, that what men should do was sit back and consider the multitude of facts and alleged facts accumulating all the time, and do a bit of sorting. In other words, he asked men to sit down and think.

* * *

If they would do that it might be that they would turn their minds to the problem of prisoners and captives: to the tragic fate of those who have been deprived of liberty, sometimes for years. I am referring now to those unfortunates who, for this reason or that, have been certified "M.D.," mentally deficient, and confined in a colony for mental defectives. What proportion of those confined and shut up, I have wondered often, really are so mentally afflicted that they need segregation for their own safety or the safety of others? I have made attempts from time to time to do a little towards finding out, and more than once I have been startled. I was assured not so very long ago that, in the opinion of an official person wielding considerable power, any young woman, if poor, who produced more than one illegitimate child should be regarded as morally defective and, if possible, certified and shut up. I was assured, quite recently, by an official holding a position of the first importance and power that in his opinion a single act of childish sexuality was, in itself, a sufficient reason for keeping a boy of nineteen in a colony for an indeterminate period. That boy had been certified "feeble minded" in spite of the fact that for two years he had kept his job to the complete satisfaction of his employers, and had earned good money. For two years, also, he had served satisfactorily in the Territorials.

* * *

I have an uneasy feeling that there are powerful people, officials with official mentality, who can see nothing harmful in depriving young people of liberty, solely because the young people do not conform to their, often quite arbitrary, standards of intelligence or conduct. Intelligence tests are in favour to-day with people with card-index minds. I submit they may be, and sometimes are, exceedingly dangerous. Some years ago I walked into a magistrates' ante-room and fired off a salvo of mental intelligence tests at the two magistrates sitting there. I had no difficulty in demonstrating to them that they were, according to accepted standards, both mentally deficient. One of them was the magistrate who did all the certifying, after medical examination, of the alleged M.D.'s of that district. They were annoyed. The certifying one was quite cross about it, particularly when I urged him to consider the moral of the experiment I

had tried upon him. It was no use. He was an ex-schoolmaster, convinced that he had nothing to learn from anybody.

* * *

Do you remember the little cages, each with its little bird, that used to hang in clusters outside the shops and houses in Seven Dials? It was a depressing spectacle. Unfortunately, very few of us ever go and look at the captives in our mental homes, our colonies for mental defectives. Once a young person is immured there he seems to be forgotten. He is visited officially by officials and semi-official visitors, but by how many non-official persons? For that matter, what do most of us know about the inside of any State, or municipal, institution? I was struck by the speedy return home from a municipal tuberculosis sanatorium of people who had gone there filled with hope. I made inquiries. One reply was suggestive: "It's all so dull. There's nothing to do, and nobody seems to care. There's a billiard table we can use in the evenings, but the cues have no tips. There are cards in the huts, but there's never a complete pack." I went and had a look for myself. The complaint was well founded. There *was* nobody who seemed to care: nobody to whom a patient could pour out his griefs, little or big.

* * *

There has been much discussion concerning "voluntary" versus "municipal" in the hospital world. So far as the purely business, the financial, aspect is concerned, the "municipal" advocates have it every time. But, so far as the *human* aspect is concerned, the "voluntary" advocates win hands down. In voluntary institutions the inmates are not at the mercy of officials: in State or municipal institutions they are. That, I submit, is where a great deal of trouble lies. We, members of the visiting staff of a voluntary hospital, go in and wander about as we please, talking to the patients, listening to their grouses. We sense the spirit of the place. State and municipal institutions, however materialistically efficient, lack that human element. In mental homes, in colonies for mental defectives, it seems to be completely non-existent. The inmates are cut off from contact with the outside world.

* * *

Is this all unduly serious for the "Grains and Scruples" page? I hope not. I am writing as a Taddygaddy, a practising G.P., and I prefer to write about subjects that concern my immediate job. The unhappiness—particularly the preventable unhappiness—of other people, especially young people, is very much the concern of all of us. I feel in my bones that all is very much not well in the officially run, officially controlled, institutions in which young people are kept captive. I am impelled to say that, not merely because of my own observations, but because of things said to me by other people of goodwill, notably a Roman Catholic priest of vast experience and the widest possible sympathies, who told me so lately as to-day of his acute apprehension and unhappiness concerning the fate of young persons condemned to what amounts in practice to an indeterminate sentence of deprivation of liberty.

* * *

If I seem to finish up my series on a somewhat bitter note it is because circumstances, quite recently, have caused me to feel bitter—on behalf of young people who are defenceless when confronted by the stern arm of Authority. We doctors who practise in and about back streets see much of the seamy side of life. We do what we can to mitigate it but that is not very much. We can, however, give some sort of publicity to abuses when we meet them—if we will. That is why I have made this the concluding article. It is very far from complete, for reasons which I need not specify. I have been dealing recently direct with Authority, which has been entirely kind and considerate and courteous; but so far I have not succeeded in persuading it to do anything. The unfortunate confined weak ones for whom I have been contending are still confined. So far as I can see they are likely to go on being confined.

* * *

What is the matter with Authority? What is wrong with the Official Person? There is, hung up in one of our cathedrals—I think it is Chester—an old poem whose message seems, somehow, not to have reached the world of officialdom. This is how it finishes:

> Give me a sense of humour, Lord,
> Give me the grace to see a joke:
> To get some happiness from life
> And pass it on to other folk.

That message, I submit, if accepted and acted upon by us all would serve as solvent for many of the anomalies and acts of seeming injustice that perplex us.

* * *

May I turn in conclusion to another old world writer? I open his book at random, and this is what I light upon:

> "Mercy will soon pardon the meanest. . . ."

That is a sentiment which should appeal to us who, as poor men's doctors, see so much, know so much, of conditions under which "the meanest" is not pardoned. Rather is he not infrequently shut away from the sight of men and, only too often, forgotten.

*** *This concludes the four articles by Taddygaddy. Next month a Medical Economist will be responsible for these columns.*—ED. L.

INFECTIOUS DISEASE

IN ENGLAND AND WALES DURING THE WEEK ENDED APRIL 10TH, 1937

Notifications.—The following cases of infectious disease were notified during the week: Small-pox, 0; scarlet fever, 1643; diphtheria, 942; enteric fever, 21; pneumonia (primary or influenzal), 1464; puerperal fever, 53; puerperal pyrexia, 124; cerebro-spinal fever, 30; acute poliomyelitis, 1; acute polio-encephalitis, 0; encephalitis lethargica, 4; dysentery, 18; ophthalmia neonatorum, 92. No case of cholera, plague, or typhus fever was notified during the week.

The number of cases in the Infectious Hospitals of the London County Council on April 16th was 3265 which included: Scarlet fever, 879; diphtheria, 921; measles, 40; whooping-cough, 526; puerperal fever, 16 mothers (plus 11 babies); encephalitis lethargica, 283; poliomyelitis, 1. At St. Margaret's Hospital there were 19 babies (plus 6 mothers) with ophthalmia neonatorum.

Deaths.—In 123 great towns, including London, there was no death from small-pox, 2 (0) from enteric fever, 14 (0) from measles, 6 (0) from scarlet fever, 32 (11) from whooping-cough, 31 (9) from diphtheria, 54 (15) from diarrhœa and enteritis under two years, and 112 (19) from influenza. The figures in parentheses are those for London itself.

There were 2 deaths from enteric fever and 4 from diphtheria at Liverpool. Four deaths from measles were reported from Birmingham. Leeds and Middlesbrough each reported 3 fatal cases of whooping-cough.

The number of stillbirths notified during the week was 258 (corresponding to a rate of 34 per 1000 total births), including 38 in London.

PUBLIC HEALTH

Mental Health in Scotland

THE number of insane persons under the General Board of Control for Scotland in 1936[1] was less by 103 than in the year before. The decrease is not high in comparison with the total figure, which is just under 20,000, but it is reassuring to see that the number has not risen. There is a corresponding small decrease in the average annual admissions to institutions over the last five years. More and more patients are now being treated in the observation wards of poor-law hospitals and in nursing-homes, and fewer patients with a good expectation of recovery are being sent to asylums. Nevertheless, the asylum recovery-rate remains as high as one-third of the number admitted. The Mental Treatment Act, 1930, does not apply to Scotland—a fact of which one is reminded by the use throughout the report of the traditional terms "asylum," "lunatic," and "pauper"—but the Scots law allows voluntary patients to be received into asylums, and the increase in the numbers of voluntary admissions has been steady and continuous. The Board, however, report a steady accumulation of certified patients in institutions. The result of this accumulation is, they say, that all asylums are now more or less fully occupied and most of them are overcrowded. They suggest that the problem could be partly met by providing more observation wards and establishing out-patient clinics to encourage early treatment still further. The mere substitution of "mental hospital" for "asylum" will not, they think, entirely remove the inherent public dislike of institutions, and although the problem of detention has to be met they regard as much more urgent the problem of providing treatment at a stage when it is likely to be effective. They therefore strongly recommend to the directors of all Royal Asylums the establishment of clinics entirely apart from the mental hospital but under the administration of its expert staff. Similar clinics, both resident and out-patient, should, they say, be provided by local authorities in association with general hospitals and supervised by expert psychiatrists. Municipal authorities would probably need an Act of Parliament to permit them to set up these new services.

SHORTAGE OF STAFF

Scotland appears to suffer from shortage of staff in much the same way as this country, with the result that research and treatment are badly hindered. The service therefore does not attract as many first-class men as it should, for the medical officer is overburdened with routine duties and advancement is slow and uncertain. A familiar vicious circle is thus created. A further burden is thrown on the medical staff by the absence, in many asylums, of lay officers such as stewards, farm managers, and dispensers. Not only, therefore, are the medical staff unable to devote sufficient time to treatment within the asylum, but they are unable (except in the large towns) to carry out extra-institutional services in out-patient clinics and observation wards. On the other hand, the possibilities of guardianship are used fairly fully and the system is working well. The reports of some of the deputy commissioners throw an interesting light on its everyday realities.

[1] Twenty-third Annual Report of the General Board of Control for Scotland. (Cmd. 5408.) Edinburgh: H.M. Stationery Office. 1937. Pp. 45. 1s. 3d.

Compulsory Pasteurisation of Milk

The logic of facts is directing more and more attention to the need to extend control over the safety of the milk-supply of this country. For a number of years milk has been a much discussed article, but along two distinct though really interrelated lines. The attention now paid to problems of nutrition always leads to renewed emphasis upon the nutritive value of milk and the need for more of it being consumed. For a great many years the medical profession has emphasised that the milk consumed in large areas of the country is a definite and important factor in the spread of disease, and while equally emphatic as to the nutritive value of milk, submits that it must be safe milk. The existing legal powers are demonstrably inadequate to solve the problem. The very widespread outbreak of enteric fever last year in certain seaside towns, spread by raw milk, and other recent outbreaks also spread by raw milk in Doncaster and elsewhere, show how necessary and urgent is the problem of adequate control. While the risk of the spread of bovine tuberculosis can be removed by the elimination of tuberculosis from our dairy herds, experience shows that this is not yet a practical measure and at the best must take a great many years to be made effective. The only satisfactory way to render milk safe and yet not damage its nutritive properties is by its efficient pasteurisation. Local authorities anxious to protect the people for whose health they are responsible are now perceiving the desirability of enforcing adequate heat treatment of milk. Two of them—Glasgow and Poole—have now under consideration a scheme of obtaining powers to ensure efficient pasteurisation of the raw milk distributed within their areas, and in support of this movement their medical officers of health have issued illuminating and interesting reports. That coming from the public health department of the corporation of Glasgow[2] reviews the problem as its affects Glasgow. The daily liquid milk-supply of Glasgow is said to be about 71,543 gallons. Of this, 44·8 per cent. is pasteurised under licence, 39·5 per cent. is given uncontrolled pasteurisation (including a very little scalded or sterilised), 3·5 per cent. is raw tuberculin-tested milk, while 12·2 per cent. is consumed raw and ungraded. There are only 39 byres in the city, so practically all the milk comes in from outside districts. Nearly all the milk (93 per cent.) is distributed through the premises of wholesale or large retail tradesmen, and only about 2 per cent. is sold by the producer-distributor. On the cleanliness side the figures show that more than half of the raw milk sampled does not conform to a reasonable standard. Other facts in the report show that Glasgow is very well placed for an experiment in compulsory pasteurisation and a scheme could be operated with comparatively little difficulty. Since such a large proportion of the city milk-supply passes through milk depôts, most of which are of considerable size, there are no inherent difficulties in requiring all this milk to be efficiently pasteurised. The milk now heated by uncontrolled pasteurisation is practically all in such depôts and the plants could readily be converted into pasteurisation plants of approved type and working. The report also contains a fairly

[2] A Review of the Milk Supply of Glasgow in relation to Pasteurisation. By I. McCracken, M.B., D.P.H., and A. M. Stewart.

detailed review of the facts as to diseases spread from contaminated milk and notes on pasteurisation methods and practice.

In Poole compulsory pasteurisation powers are being asked for in a parliamentary Bill in the form of power to make by-laws:

"The Corporation may make byelaws for prohibiting, regulating or controlling the sale or supply or the exposure or keeping for sale or supply within the borough for human consumption, or for use in the manufacture of products for human consumption of milk which has not been pasteurised and at all times securely protected against contamination in such manner as may be prescribed by the byelaws."

Pasteurisation is defined in the same terms as in the Milk (Special Designations) Order 1936. The medical officer of health for Poole (Dr. R. J. M. Horne) has also submitted a valuable report dealing with the dangers of raw milk and the need for these powers to require pasteurisation. Such reports, though they supply useful argument, cannot in the space available review more than a small part of the overwhelming evidence available in favour of compulsory pasteurisation. Those interested will, however, be able to consult many other sources, including the authoritative report by the Committee on Cattle Diseases to the Economic Advisory Council and the several reports of the People's League of Health.

We welcome the efforts of the corporations of Glasgow and of Poole to carry out one of their primary functions, the protection of their inhabitants from the risk of milk-spread infectious disease, by seeking to secure powers requiring the efficient pasteurisation of the raw milk consumed within their areas.

OBITUARY

JOSEPH FAYRER, Bt., C.B.E., M.D., F.R.C.S.Edin.

WE regret to record the death of Lieut.-Colonel Sir Joseph Fayrer which occurred in Gullane, East Lothian, on April 13th, in his 79th year. He was the second son of Surgeon-General Sir Joseph Fayrer, famous for his gallant service at the siege of Lucknow during the Indian Mutiny, and author of the *Thanatophidia of India*.

Joseph Fayrer was born in 1859 and educated at Rugby, Trinity College, Cambridge, and St. George's Hospital, where he commenced his medical studies. Later he went to the University of Edinburgh, where he took the diploma of F.R.C.S. Edin., later graduating at St. Andrews as M.D. He went immediately into the R.A.M.C., entering in 1886 at the top of the list. He was stationed for a year at Edinburgh Castle, and was then dispatched on foreign service, where, following in the footsteps of his father, he spent most of his time in India. His career there was that of an energetic officer and he became specially marked out for his administrative work in hospitals. On returning to England in 1894 he was appointed medical officer of the Royal Horse Guards, a post which he held for three years. He then went to India for further service until 1903, when he returned to England as staff adviser and secretary to the P.M.O. of the London Military District. At the expiration of that post he became superintendent of the Duke of York's Military School, then situated in Chelsea, where his energetic and sympathetic activities gained him large credit. He held this post for five years when he went to China in charge of the Military Hospital, Hong-Kong. In 1907 he succeeded to the baronetcy, and while in Hong-Kong was appointed in 1911 superintendent of the Edinburgh Royal Infirmary, a position which he held for 13 years, a period covering the years of the war. During the war he was in command of the 2nd Scotch General Hospital, Craigleith, and was made a C.B.E. in 1919. He retired from the superintendency of the infirmary in 1923 on the age limit. Both at the infirmary and at Craigleith his charm of manner and capacity for friendship assisted him in a marked way in the discharge of his duties.

Sir Joseph Fayrer married Ella, daughter of the late Colonel W. J. Mayhew, and leaves a widow, two daughters, and one son who succeeds to the title.

A lifelong friend writes: "At Cambridge and at St. George's Hospital Fayrer collected friends, and throughout a long and varied career he showed the same power. He had an alert attractive appearance and a sympathetic manner, the outcome not of a desire to please but of a willingness to be pleased. He was a game player and a sportsman when official duties gave him the opportunity. He always saw the best side of the other man, and had a gift for friendship. His death will be regretted by very many."

ROBERT LYALL GUTHRIE, O.B.E., M.D. Edin.

Dr. Robert Guthrie, whose death occurred on April 13th, was the son of the late James Guthrie, Hope Park, Broughty Ferry, Forfarshire. He was qualified alike as doctor and barrister, commencing with the medical profession, a connexion on which he always insisted. He graduated in medicine at the University of Edinburgh as M.D., C.M. in 1892, and held several resident appointments. For a time he practised at Bethnal Green, when he also studied law. He acted as deputy coroner to the late Dr. Wynn Westcott, and in 1897 was called to the Bar at the Middle Temple. In 1903 he was deputy coroner for the Eastern District of the County of London, the post which he was holding in 1914. During the war he was, at the outbreak, medical officer to the 7th London R.F.A., later he was commandant of the Fulham Military Hospital with the rank of brevet major, and was then promoted lieut.-colonel and took command of the Belmont Prisoners of War Hospital. He was a successful administrator in all these posts and for his services received the O.B.E. After the war he resumed his duties as coroner and in 1921 became coroner to the Eastern District. As a coroner he was primarily a doctor and refused to be diverted from what he held to be his basic duty—namely, to find accurately the cause of death. In his court one would frequently find cases being decided plainly and simply which were likely to have had far-reaching consequences—cases of accidents at work, in docks or factories, where several parties were interested in the issues. In these circumstances his kindly attitude and his commonsense decisions received wide appreciation—appreciation which led on one public occasion to Mr. George Lansbury referring to him as the ideal coroner. He was in addition a capable man of affairs, was honorary treasurer of the London and Counties Medical Protection Society, and medical adviser to the Law Union and Rock Insurance Company.

Dr. Temple Grey writes: "Legal medicine has suffered a distinct loss in the passing of R. L. Guthrie.

There were united in him all the qualities which go to make the best type of coroner: an up-to-date knowledge of medicine, a sound grounding and grip of the law, and much shrewdness and tact in the conduct of an inquiry. Those who are not in close contact with coroners and their work can have no idea of the services rendered to the public by such men as Guthrie. Of failing health for some years past, one could not but admire the way he stuck grimly to his task to the end."

Dr. Guthrie died at his home at Wimbledon in his 70th year.

CHARLES COLES, M.D. Lond.

Dr. Charles Coles died suddenly on April 15th at his home in St. Margaret's-road, Oxford, where he had lived in retirement for some years. He was the son of the late Mr. J. Coles of Uxbridge, and was educated at St. Bartholomew's Hospital, where he distinguished himself as an athlete in football, cricket, and tennis. He filled there the offices of house physician and house surgeon, and was also house physician at the Brompton Hospital for Consumption. He held the Brackenbury scholarship at St. Bartholomew's and graduated as M.B. Lond. in 1890. Two years later he took the M.D. degree, securing the gold medal, and later was awarded the gold medal when taking the M.D. degree in State medicine. For a short time he was in practice in Leicester but gave this up owing to temporary ill health, and entering the public health service was in 1899 appointed medical officer for the combined districts of Leicestershire and Rutland. In 1901 he was appointed medical officer for the Oxfordshire united sanitary districts and in 1911 county and school medical officer to the Oxfordshire county council. His work for the county council was never spectacular but was always sound. It was not an easy task for the demand for an increase in the scope of the public health services was difficult to satisfy from the resources of an agricultural area. In these matters he was always loyal to the county council while yet retaining the respect and regard of the medical profession.

Coles's leisure time was spent in gardening and in the study of the natural history of the countryside, especially butterflies and birds. He had the "gardener's thumb," and plants flourished under his care; even in the poor soil of a north Oxford garden he made roses bloom to perfection. He would spend the greater part of the day after retirement in his garden, and his great delight was to point out to the occasional visitor the points of growth and development of the different varieties and how he had been able to produce the result. He had a small greenhouse and grew roses in pots for early blooms. He had also an extensive knowledge of field botany.

He was of a retiring habit and did not make many friends, but his friendship when given was real and lasting. He leaves a widow, a son, and a daughter.

JOHN TAYLOR, M.D., Ch.M. St. And.

MUCH regret was felt at the announcement of the death on April 14th, at the age of 44, of Mr. John Taylor, hon. surgeon in charge of the Orthopædic Department, Dundee Royal Infirmary.

Mr. Taylor, who had been in poor health for about two years, had been unable to carry on his practice for some months. He graduated M.B., Ch.B. in St. Andrews University in July, 1914, and a month later went out to France before the majority of the Expeditionary Force had left this country. He was, however, early invalided home and in 1916 was appointed resident surgical officer in the Dundee War Hospital. In 1917 he proceeded to the M.D. degree and again went abroad on service, on this occasion to Mesopotamia as surgical specialist. From that field of operation he was invalided, but later became senior medical officer in Bihar and Orissa. After the war he continued in association with the Territorial Force, in which he ultimately held the rank of colonel and was A.D.M.S. to the 51st (Highland) Division. He was specialist in tropical diseases for the Ministry of Pensions and surgeon to the Dudhope orthopædic annexe. When he rejoined the medical school he acted successively as assistant to the professor of pathology and lecturer in regional anatomy at University College, Dundee. He was appointed surgical tutor at Dundee Royal Infirmary in 1920, later assistant surgeon, and finally orthopædic surgeon. On his resignation in 1935 on account of ill health he was appointed honorary consulting surgeon. He was a fellow of the Association of Surgeons, member of the Anatomical Society, and associate member of the Orthopædic Society of Great Britain. He gave much time to research and for ten years, with Prof. Weymouth Reid and Dr. Stiven, carried on investigations into the function of the pancreas.

His death is regretted among all classes of the community in Dundee; he was known as an able surgeon and a generous-hearted and kind friend.

DAVID SMART, M.B., C.M. Edin.

Dr. David Smart, who died suddenly on April 7th at Bootle, was medical referee to the Shipping Federation. A Scotsman born at Meigle, Perthshire, he was educated at Dundee High School and the University of Edinburgh, where he graduated as M.B., C.M., obtaining at the same time the Buchanan fellowship. He was for a period resident in charge of the gynæcological wards at the Edinburgh Royal Infirmary and then went to Liverpool on appointment to the Smithsdown Road Institution, becoming assistant surgeon to the Liverpool Hospital for Women and the Toxteth Poor Law Hospital. At the Liverpool Hospital for Women he met his wife, Dr. Blanche Z. Smart, who was also a medical officer at the institution, and for many years they were in general practice in partnership. The war found Dr. David Smart well equipped. He had already given service to the old volunteers and when he came to Liverpool continued his association with the territorial army by joining the 6th Liverpool Rifles. He was associated with Dr. Graham Martin in raising the Liverpool bearer company, whose members were later transferred to the 1st and 2nd West Lancashire Field Ambulances. During the war he was Assistant Director of Medical Services to the 57th and 73rd Divisions, and retired with the rank of Col. A.M.S. (T.). Dr. Smart was highly respected and popular in the city of Liverpool and his death is a subject of general regret in the city and in the neighbourhood. The end was very sudden for he collapsed and died while conducting an examination of seamen at the Brocklebank dock.

NORMAN COLLUM PATRICK, M.R.C.S. Eng., D.P.H.

THE death of Capt. Norman Collum Patrick, took place on March 24th in Belfast following a brief illness. As chief medical officer to the Ministry of Home Affairs of Northern Ireland, Capt. Patrick was an outstanding figure in the profession and was every-

where respected for the devotion with which he carried out his duties, and for his kindly and sympathetic disposition. He was educated at Rossall and Cambridge University and went for his medical training to St. Bartholomew's Hospital. After qualification he served as dispensary medical officer to the Glenavy district of Co. Antrim and subsequently was appointed tuberculosis officer for the county. At the outbreak of hostilities in 1914 he volunteered for active service and served throughout the greater part of the war as Captain R.A.M.C. attached to the 110th Field Ambulance, 36th Ulster Division. After the war, when the Northern Government was formed, his professional ability was recognised by his appointment to the Ministry of Home Affairs and later in his rise to the rank of chief medical officer. His loss is deeply regretted by his associates at the Ministry and by many who found in him a loyal friend and a wise counsellor. He is survived by his wife and one daughter.

CORRESPONDENCE

POSTURAL DEFORMITIES OF THE ANTEROPOSTERIOR CURVES OF THE SPINE

To the Editor of THE LANCET

SIR,—The communication by Mr. Philip Wiles published in your issue of April 17th comes at an opportune moment when a national policy to improve the physique of the people is being planned. Habitual use of the body with any real increase of the normal anteroposterior curves of the spine is undesirable. Mr. Wiles states that voluntary control over the movements that correct a postural deformity is easily taught when adequate mobility is present. In many cases, however, in view of the state of fatigue of the anti-gravity muscles and the general lack of responsiveness, it is not easy, in my opinion, to get these muscles to maintain an improved position. A period of reconstructive rest in bed for two or three weeks may be necessary as a preliminary to exercises. The mattress should be firm. The patient lies on his back with a low pillow beneath the head and knees and three times daily, for half an hour, after meals, the thoracic spine is hyperextended by placing a firm pillow beneath it, the hands being clasped behind the head. This leaves the lumbar spine unsupported, and exerts a slow, corrective leverage upon the whole spine. It opens out the subcostal angle, and allows the patient to be instructed in correct breathing. The patient is then turned over, to lie face downwards upon a pillow placed lengthwise beneath the trunk; hot fomentations may be applied to the spine for 15 minutes, after which the patient resumes the first position described.

After ten days or so the improvement in the mobility of the spine and in the pliability of the muscles may be quite astonishing. Now is the time to begin spinal massage and instruction in a simple series of lying-down postural remedial exercises, designed chiefly to teach the patient how to flatten the lumbar spine and to contract the side-abdominal muscles. Exercises in control are far easier to learn when lying down. It is now in order to allow the patient up for postural remedial training, the object of which is to cause him to maintain an habitually improved attitude in standing, sitting, walking, and breathing. As a useful temporary makeshift until the muscle-sense of proper balance is restored, a light spinal back-brace to span the lumbar curve is often worn; without it many quickly relapse into bad habits of poor posture, and therefore no hesitation should be felt in prescribing its use.

The order of treatment, then, is reconstructive rest, remedial training, and support. The simplicity and lasting efficiency of these methods I have often proved in practice. They are not practised nearly enough. One hears a great deal about the active side of treatment, such as massage, exercises, and so on, and far too little, in my view, of the opposite, or passive, side which should precede and complete the active side. Reconstructive, rehabilitating rest and support are just as important as exercises as a basis of restoration of correct use and function of the body. When the three weeks' period of rest is over, the patient should still, for a considerable time, have two half-hour periods of hyperextension on the pillow daily. It is not a bad plan with slender, physically delicate subjects to make a posterior moulded plaster-of-Paris shell in which the patient may lie at night, or for part of the night. In aggravated cases it may be advisable to hyperextend the dorsal spine for a time upon an angled Bradford frame.

In the process of training, it should constantly be remembered that in all body actions it is the head which leads in maintaining a proper static position. If the head is stretched up tall, with the chin held in, it causes the chest to be elevated and the diaphragm to work properly; it draws up the abdominal contents, and gets the body forward on to the balls of the feet. The fixed, elevated thorax thus assists in affording a strong basis of support for the action of the abdominal muscles. These muscles, after all, have to be allowed to assist the gluteal muscles in flattening the lumbar spine.—I am, Sir, yours faithfully,

Edinburgh, April 16th. W. A. COCHRANE.

To the Editor of THE LANCET

SIR,—Your leading article last week on improvement of posture provided a valuable commentary on Mr. Wiles's paper, with an appreciation of the protagonist of correct posture—Goldthwait of Boston—not mentioned by Mr. Wiles. The phrase "good body mechanics" first introduced by Goldthwait has helped me very much to crystallise the generally rather vague conceptions of what is to be gained by physical exercises. Since seeing the results of his theories applied in practice at the Robert Brigham Hospital in Boston, I have taken the opportunity of studying and correcting the bad mechanics of incorrect posture at the Charterhouse Rheumatism Clinic. It is especially in rheumatoid arthritis and in spondylitis adolescens (Marie Strümpel syndrome), and even more so during the prespondylitic stage of bilateral sacro-ilitis, that the very simple postural exercises described by Goldthwait (1922, 1934) have proved of immense benefit. I have adapted three for use, all of which are performed lying on the back on the ground or other plane surface. As you yourself suggest, this is the position which provides the necessary resistance to the flexors and support for the (weaker) extensors.

1. Hands behind head, elbows pressed outward and down, chest raised to the fullest extent. Breathe deeply 10–15 times, without lowering the chest. According to Goldthwait and Loring Swaim, this produces full diaphragmatic breathing, empties the splanchnic veins, and enlarges the abdominal cavity by widening the subcostal angle.

2. When chest expansion is poor and the subcostal angle narrowed, one hand is placed on top of the head,

which is used as a fulcrum to pull on the ribs, first of one side, then of the other, as deep breaths are taken.

3. Hands to side, knees drawn up, the lumbar curve is straightened by using the glutei and "rolling up the pelvis" (as stressed by Mr. Wiles). Maintaining this position, each leg in turn is straightened, lowered, and raised several times.

It is explained that these exercises are to encourage a correct posture to be maintained at all times. In Goldthwait's words: "Stand tall, head up, chin in, chest high, abdomen flat, weight on balls of feet." These exercises take less than five minutes, and are far better than the usual "physical jerks" which occupy a long time, are extremely tedious, and are, I believe, of little value for the purpose of keeping fit.

I am, Sir, yours faithfully,

Harley-street, W., April 20th. H. WARREN CROWE.

CYSTICERCOSIS AS A CAUSE OF EPILEPSY

To the Editor of THE LANCET

SIR,—In your issue of April 10th there is an account of an interesting and instructive case of cysticercosis (*T. solium*) which illustrates once more the importance of X ray examination of the limbs in the diagnosis of this condition, as calcification in cysticerci in the skull is not often seen. The statement, however, that "Morrison (1934) has described the only case where calcification of cysts in the brain associated with epileptic convulsions has been found" is incorrect. Dixon and Smithers (1934) collected all the cases of cysticercosis that they could trace as far back as 1892, and in 1935 published a fuller account of the condition in the *R.A.M.C. Journal*, in which they brought the total of cases up to 79 (46 of which had not previously been published). In this series of 79 cases 7 were found in which calcification in cysticerci could be demonstrated in skull radiographs. References to the original publication of these cases are given below.

Denny-Brown's case was of particular interest in that it is, I believe, the only case on record in the English literature where calcified cysticerci were demonstrated in the radiographs of the skull but not elsewhere in the body.—I am, Sir, yours faithfully,

College-road, Dulwich, S.E., April 14th. D.W. SMITHERS.

REFERENCES

Roth, E. J. H. (1926) *Brit. med. J.* **2**, 470.
Morrison, W. K. (1934) *Ibid*, **1**, 13.
Denny-Brown, D. (1934) *Proc. R. Soc. Med.* **27**, 667.
Behrman, S. (1934) *Ibid*, **27**, 668.
Dixon, H. B. F., and Smithers, D. W. (1934) *Quart. J. Med.* **27**, 603. Two of these cases were diagnosed by H. Macdonald Critchley.

MEDICAL EDUCATION OF WOMEN

To the Editor of THE LANCET

SIR,—As long ago as 1934 THE LANCET mentioned that a proposal to establish a medical school for women at the West London Hospital was under consideration by the University of London. Dr. Norah Schuster, in your issue dated April 17th, suggests that it might be of advantage to the West London Hospital to take women as students and she may be interested to know that the proposal is still having the careful consideration of the authorities both of the university and the hospital.

The creation of a new medical school is not an easy matter and it is no fault of either the university or the hospital that the women students of London, as also of Oxford and Cambridge, are still finding difficulties in getting vacancies in the London medical schools for the clinical period of training. This hospital can provide all the facilities necessary for clinical training and has been an active post-graduate centre for over forty years. But we cannot accept women students without the recognition of the universities for whose degrees they are studying. As far as the University of London is concerned I think I can say that this recognition is only being withheld until certain preliminary difficulties have been overcome. Every effort is being made to solve the numerous problems which are inherent in such a project, but the machinery of university government necessarily moves slowly and it is impossible as yet to give any indication as to the date upon which the change-over from post-graduate to undergraduate teaching will be made.

In the meantime this college continues to make its contribution to medical education as a post-graduate school where increasing numbers of men and women from all parts of the Empire avail themselves of the excellent clinical material to be found in its wards and out-patient clinics.

I am, Sir, yours faithfully,

MAURICE E. SHAW,
Dean, West London Post-Graduate College,
April 17th. Hammersmith, London, W.

OVER-TREATMENT OF GONORRHŒA

To the Editor of THE LANCET

SIR,—I should like to endorse the opinions expressed by Mr. Nicholls in your issue of March 20th (p. 721) and by Dr. Simpson (April 10th, p. 899) on the over-treatment of gonorrhœa.

A man of 26 who contracted gonorrhœa three years ago recently came under my care. He had been treated at a clinic for one year, by a doctor for another year, and by a second doctor for ten months. There was a little mucous discharge free from gonococci but with many diphtheroids. The mucous surface of the anterior urethra was much scarred from treatment with Kollmann's dilator. He was suffering from a non-gonorrhœal urethritis due to prostatic calculi.

There is no more useful method of treatment than prostatic massage in the right cases and in the rght amount, but much harm can be done both physically and psychologically if it is abused. If the patients are being overtreated the number of attendances at any one centre is unnecessarily increased. Should treatment be reduced to reasonable and proper proportions it might not be necessary to delegate massage of the prostate to the unskilled and sometimes rough hands of an orderly.

As regards women it is surely better for the woman with vaginal discharge to see a gynæcologist first and be sent by him to the V.D. department rather than, as is customary at present, sent straight to the V.D. department to be sorted out. It is no doubt of great importance for the young gynæcologist to learn to operate skilfully but it is no less part of his vocation to diagnose and treat septic conditions of the cervix. The gratitude of many thousands of women is waiting to be earned by someone who will tackle this difficult subject.

I am, Sir, yours faithfully,

London, W., April 15th. RICHARD ROPER.

LOCAL ANÆSTHETICS ON BLOOD-VESSELS

To the Editor of THE LANCET

SIR,—There is an inaccuracy which I would like to correct in your report (THE LANCET, March 27th, p. 756) of the discussion by the neurological section of the Royal Society of Medicine on the nervous sequelæ of spinal anæsthesia. Questions were asked by Dr. Wilfred Harris and from the presidential chair about the vascular action of 5 per cent. procaine solutions. Actually my reply was to the effect that while I used 10 per cent. procaine

solutions intrathecally I had no experience of solutions stronger than 2 per cent. in the skin, and that such solutions, in the absence of adrenaline, "cobefrin," &c., were vaso-dilator. The solutions used by my students, in the practical classes, are 0·1 per cent. solutions of procaine and percaine, with and without 0·001 per cent. adrenaline.

As suggested by Dr. Harris, I have since examined the effects of 5 per cent. procaine (adrenaline-free) both in and under my skin. Apart from the stretching of the epidermis by the solution no blanching is produced, and considerable vaso-dilatation follows. I have checked these observations on another subject and a dental friend assures me that similarly 5 per cent. procaine solution without adrenaline causes no vaso-constriction and only a brief anæsthesia when injected into the gum.

I am, Sir, yours faithfully,

A. D. MACDONALD.

Department of Pharmacology, The University, Manchester, April 15th.

"WHAT IS OSTEOPATHY?"

To the Editor of THE LANCET

SIR,—Even the more vocal of the medical opponents of osteopathy are prepared to admit that certain conditions of strain or fixation, which are often not demonstrable on X rays, exist in the lumbar area. These joint conditions are sometimes accompanied by pain along the sciatic nerve or in the lumbar muscles. That a similar condition may exist in the cervical and upper thoracic areas and be accompanied by pain in the arm or shoulder has received attention in recent papers. It is equally an accepted fact that these conditions often yield to manipulation. Now the American-trained osteopaths are exceedingly skilled in the quick specific movement of spinal joints, and because of constant practice and teaching, their dexterity makes the efforts of the average orthopædic surgeon look clumsy to a degree. Because of this dexterity the osteopath obtains much more satisfactory results in the long run, with less discomfort to the patient, and without having recourse to anæsthesia nearly so often.

It is accordingly submitted that even if all the other conditions which have benefited by osteopathic treatment are discounted, the osteopaths have contributed something to the art of medicine, and it behoves the medical profession to see that those among their members who set out to do manipulative work acquire "a good pair of hands" by practice, and by taking every advantage of opportunities of seeing the work of experts at manipulation. It is just as foolhardy to entrust the manipulation of cervical vertebræ to a general surgeon as it is to expect a radiologist to be able to perform a Wertheim hysterectomy.

I am, Sir, yours faithfully,

W. HARGRAVE-WILSON.

Gloucester-place, W., April 19th.

AMBULANCES AND STRETCHERS

To the Editor of THE LANCET

SIR,—The question of standardising the size of British ambulances is one which I think deserves consideration. At present ambulances may be divided generally into short and long. The short type (most civil ambulances) is capable of carrying only short stretchers—i.e., those with folding handles—while the long type is capable of carrying stretchers with fixed handles such as the Army and St. John Ambulance stretcher. In times of national emergency it would be most desirable that all ambulances should be capable of carrying any type of stretcher; otherwise during an air raid, for example, St. John Ambulance men, having collected a casualty, might find that they could not load him straight into the ambulance which had driven up. Delay is undesirable on such occasions, and on all occasions the less a badly injured man is shifted about the better.

As the vast majority of British stretchers to-day are of the long type—Army, Air Force, St. John Ambulance, and so forth—it appears desirable to encourage the production of long ambulances only, which could be relied upon for the rapid collection of all casualties at home or abroad. It is understood that the London County Council have already moved in this matter and our latest naval ambulances are long. I feel sure that if this aspect of the matter was brought to the notice of firms concerned, they would advise their patrons accordingly when future orders were being considered. And as other countries suffer from the same difficulty, this should become a matter for international consideration; for there can be no question of international rivalry here.

I am, Sir, yours faithfully,

R. A. W. FORD,

April 17th. Surgeon-Commander, Royal Navy.

TREND OF THE POPULATION

To the Editor of THE LANCET

SIR,—Please allow me to make the following comments on the valuable article by Mr. C. A. Gould on p. 944 of your last issue. (1) The population of England and Wales has indeed been ageing since 1870, but let no one overlook that this was due to reduction in the mortality of the young. (2) Mr. Gould says that the population will attain a maximum of 40,800,000 about the year 1944; yet the Registrar-General takes it to be more than that already. (3) It is not a serious matter that trade should decline if the amount of it per inhabitant increases. (4) The splendid diagram usefully shows that, on the worst estimate, the workers will outnumber the children and aged for a century; so Great Britain should continue to have a high standard of living although it may cease to be a dominating power. I may add that if our farms become larger they will more easily compete with the food from the sparsely peopled countries, and if wages rise there will be an increasing demand for home-grown produce. Mr. Gould ignores the possible effects of migration, but a relatively high standard of living would draw from the Continent as many young workers as we might choose to admit.

I am, Sir, yours faithfully,

Manor Fields, Putney, S.W., April 19th. B. DUNLOP.

PAGE NUMBERS ON REPRINTS

To the Editor of THE LANCET

SIR,—From time to time I am the fortunate recipient of reprints of papers which have appeared in various periodicals. May I call attention to a not uncommon fault in these reprints? It is the omission of the number of the first page of the article. I have before me a reprint from a well-known scientific publication. It gives the name of the journal, the number of the volume, the number of the issue, and the date of publication but *no page*. In a country like this it is impossible always to get into touch with a library to supply the omission, and in my editorial work I find the impossibility of inserting the page number a difficulty in carrying out properly the Harvard system of references.

I am, Sir, yours faithfully,

JAMES H. SEQUEIRA,

Editor, *East African Medical Journal*.

Nairobi, Kenya, March 27th.

PARLIAMENTARY INTELLIGENCE

CORONERS AND THEIR DUTIES

IN the House of Lords on April 15th Lord MORRIS said there was an increasing tendency among coroners to moralise and lecture at inquests over which they presided and he inquired whether steps could be taken to curb this undesirable disposition by legislation. Alternatively, he asked the Government if they would consider the abolition of the ancient office of coroner. In February, 1935, the then Home Secretary, in response to popular clamour, had appointed a Departmental Committee to inquire into the law and practice relating to coroners. In the course of its report it was stated :—

> The tendency of some coroners to animadvert upon the conduct of persons who have, perhaps quite incidentally, come under their notice has frequently been the subject of public comment. . . . We consider that the practice should be brought to an end. We do not, however, propose any amendment of the law at present on this point. We believe that the body of our recommendations, taken as a whole, will tend to put a stop to this practice.

That pious hope unfortunately had never been fulfilled. The present Home Secretary had also quite recently expressed a similar hope that coroners would have some regard to the recommendations of that Committee. On the contrary, coroners had paid no attention whatever to those recommendations, but were getting worse. For example, a month or two ago the coroner at Greenwich had publicly rebuked a minister of religion and lectured him on his supposed duty. On March 23rd the coroner for Tunbridge Wells, inquiring into the death of a six-weeks' old child, told the mother *coram populo* this :—

> This child was starved to death, but I am prepared to believe that you thought you were doing the right thing. I am prepared to put your complete failure down to ignorance. You and your husband are both young, and I hope you make a better job of it next time.

Lord Morris suggested that that was a piece of intolerable impertinence. It was time that a stop was put to this kind of thing and that steps were taken, if necessary by legislation, to check this desire on the part of coroners to apportion moral responsibility, an act that had nothing to do with their proper function, which was solely to inquire into the cause of death. At Harrogate a short time ago the local coroner was inquiring into the death of a man. According to the *Yorkshire Post* the son of the dead man said: "I would like to make it perfectly clear that my father was living a mode of life which he was not accustomed to." The coroner remarked to the son of the dead man: "I know all about that. You have the gentlemen of the press here, and certain papers will thoroughly enjoy spreading your family troubles all over the country. If you will take my advice you will say nothing more." Lord Morris said he thought that a man who could so abuse his position as to make remarks of that kind was quite unfit to occupy the post of coroner and the sooner he was removed the better.

The coroner's court was admittedly very old in origin; it went back, he believed, to the thirteenth century; but that hardly seemed a reason why it should survive to-day. There was now an efficient police force and the coroner served no useful purpose whatever. He was merely a nuisance and an expense; he cost the country, on an average, not less than £220,000 per annum, which might be put to a better use. The only possible case where inquiry of this kind was called for was in suspected foul play, and these could well be left in the hands of the police. There was objection to that in some quarters on the ground that the police might be corrupt or negligent. He did not think that fear was well founded; but a coroner's inquest was certainly a very indifferent safeguard against that danger, if it be a real one. Leaving out these cases there remained those of obvious suicide, motor accidents, and so forth. Deaths due to road accidents could very easily be investigated by the Ministry of Transport, and railway accidents could be inquired into—as indeed they were at present—by the concerns in question. In almost all cases of fatal accident to employed persons—taking the mining industry for an example—these inquiries were now carried out by experts, and the coroner's inquests did not throw any light on the matter at all. The coroner was nothing but a paid public Paul Pry and the whole thing was extremely un-English. The very expensive but undoubtedly interesting travesty last year when one of their Lordships was tried on a charge of manslaughter was due entirely to the fact that the noble Lord in question was committed for trial there on a coroner's warrant, and no magistrate would have committed the noble Lord at all, since there was not a tittle of real evidence against him. He was convinced that there was a growing and considerable volume of opinion in this country which favoured the complete abolition of the coroner and his inquest.

Lord SNELL said that the issue which Lord Morris had raised was not an unimportant one. They expected public officials in this country to do their duty according to their obligations to the State. It was true that very few of them could resist the temptation to advise another person when he was in trouble, but they did not appoint public coroners for that purpose. They had certain specific legal duties to perform and when those duties had been performed the coroners had done all that the nation expected of them. The very worst moralist in the world was the amateur moralist who knew practically nothing about it and he thought that Lord Morris had made the point that coroners should stick to the job for which they were appointed and leave these matters to the discretion of people whose knowledge upon them was superior to their own.

The MARQUESS OF DUFFERIN AND AVA, Lord-in-Waiting, said that Lord Morris had made so many accusations that it was difficult to keep track of them. For instance, he had said that the coroner's court was un-English. No habit or practice of this land was called English until it had been sanctified by custom for many years, but the coroner's court went back to 1276, and he thought that the noble Lord would agree that this un-English custom had some small roots in our land. He did not want to quibble, but he must say on behalf of the Home Office, that the words of Lord Morris's question were extremely misleading. So far as the Home Office were aware there was no increasing tendency on the part of coroners to moralise and lecture at the inquests over which they presided. The press and the public were very vigilant at the moment with regard to the way in which coroners exercised their responsibility and the Home Office would certainly have been aware if coroners had in fact tended to spread themselves more in the last few months than they had done in the past. Lord Morris had really only argued from the cases which had come to his notice in the public press, and, of course, the only cases which had come to his notice were cases where coroners had exceeded their responsibilities. He had given no credit at all for the number of inquests, tens of thousands of them, that were held in this country in which the coroner had acted properly and rightly. There were 3500 inquests held in London alone every year. Lord MORRIS: What a waste of time. The Marquess of DUFFERIN and AVA said it might be a waste of time, but so far as he knew during the last year no complaint of any coroner's conduct at any of these inquests had been made. At the same time it was not for him to deny that on occasions the privilege of the Coroner's Court of Record might be abused. There was, of course, a grave danger, and

it was all the graver because sometimes these lectures and moralisations were directed at people or at institutions who were not able to answer back and might not even be present in the court or not represented by people qualified to deal with the intricacies of the law. He need hardly say that the Home Office took the very gravest view of that sort of attack. The Home Secretary recently in the House of Commons had used what seemed to him rather hard words. They made it quite clear that in the view of the Government spitting on the grave of the departed did very little good. The grave could take care of its own, but the living must be considered. In the view of the Government, and, of course, of Lord Wright's Committee, a living man had just as much right to have his reputation protected as his liberty and it was just as wrong to take away a man's reputation without due process of law as it was to take away his liberty. That point was the occasion of a circular issued by the Home Office in 1927 to all coroners in which the Home Secretary made it clear that, as he had been pressed to make a rule on the subject,

"He may say that where it is possible to secure the attendance of a person whose conduct appears to be in question, it is desirable that his presence should be secured before censure is passed, and that he should be afforded a reasonable opportunity of making any relevant explanation. It need hardly be added that there is special need for care, before publicly making adverse comments, if the person concerned is likely to suffer thereby in his profession or calling.

That circular was followed by the recommendations of Lord Wright's Committee, which were naturally brought to the notice of coroners, and he firmly believed that the mere publication of the Committee's report had done much to curb the habit to which Lord Morris objected. The Committee expressly said that on this particular point no legislation was required. They expected that the legislation that might follow from their report in regard to the Disciplinary Committee and the Rules Committee would be sufficient to attain their object. Lord Dufferin assured Lord Morris that although the programme of legislation was very full and he could not possibly offer any concrete promise, at the same time when opportunity offered the suggestions of that Committee would probably be the subject of future legislation. When that happened he was perfectly certain that all the evils of which the noble Lord had complained would be done away with. The Government agreed with his noble friend in so far as they deprecated coroners going outside their proper function. At the same time with the Wright Committee, which was very definite on this point, they could not possibly contemplate the abolition of this ancient office.

DEFECTIVES AND VOLUNTARY STERILISATION

ON April 13th, on the motion that the Speaker do leave the chair on the House of Commons going into Committee of Supply on the Civil Estimates, Wing-Commander JAMES moved the following amendment:—

In the opinion of this House, the Government should give further consideration to the potentialities of voluntary sterilisation for hereditary defectives in accordance with the unanimous recommendations of the Departmental Committee that reported to the Ministry of Health on Jan. 8th, 1934.

He quoted a paragraph from the report of the Committee on Scottish Health Services which he said was a very strong body and the most recent health committee to report. It said: "In considering what measures should be taken to improve the health of the people, we have to take into account at the outset the question of heredity. Physical and mental capacity has a basis in inheritance, and some people, therefore, because of their hereditary constitution, will be less fit, physically and mentally, than others, no matter what is done by way of medical care and improvement of environmental and other conditions." He (Wing-Commander James) invited the Minister of Health to give his attention to the need for further research into the problem of genetics. The fact that the amendment was not completely in agreement with the recommendations of the Brock Report was not because he disagreed with any of them, or would depart in any respect from them, but was merely a matter of technical form. Mental deficiency, which covered the largest number of people concerned, had generally, in varying degrees, a basis in heredity. In the Colchester inquiry it was shown that heredity played the greater part or the lesser part in the predisposition to mental deficiency in approximately 91 per cent. of the cases examined. In addition to mental deficiency, there were other forms of hereditary disability, notably some forms of blindness, which was much more directly hereditary even than the average form of mental deficiency. Most of the opposition to the idea of sterilisation came from people who had not read the report of the Brock Committee. That committee agreed with the Wood Committee, which published a report in 1929 that there were in England and Wales about 300,000 defectives, and they gave it as their opinion that of that number approximately 200,000 were fit for community life, their degree of deficiency or defect not being high enough to justify their being retained in any form of institution. At present a very much smaller proportion than one-third was in fact in institutions or under care.

On Jan. 1st, 1936, the London County Council published a report containing the statement that the London County Council Hospitals Committee was responsible for the care of 27,730 persons of both sexes. In an earlier report they stated that 30,000 beds were occupied by deficiency cases. They stated further, in the 1936 report, that since 1920 there had been an average annual increase of 603, and that during the next few years they anticipated a net annual average increase of 560 in the number of persons for whom accommodation would have to be provided. The increase recently was partly due to the growth of population of the London County Council area. The expenditure on such cases by the London County Council during the last financial year was £1,698,633. There was an enormous total expenditure in connexion with this problem. He did not suggest that if sterilisation were legalised it would be an economy. In the long run that might be achieved; but it was not from the point of view of economy that the Brock Committee recommended sterilisation, or that anyone else should consider the problem. If sterilisation were legalised, the immediate effect would be small. But if any part of the present enormous expenditure could be diverted to other channels and social services, the community as a whole would benefit. The Central Association for Mental Welfare actively supported the suggestion that sterilisation should be legalised. A point in opposition to this proposal was that the existence in the community of persons who had been sterilised would lead to a lowering of the standard of morality. That point was examined and answered by the Brock Committee. There was still a great deal of misunderstanding about the nature of the sterilising operation. Any doctors who might be present that day would confirm the statement that the operation was very simple. In males it was trivial and wholly unattended by risk and in females it was virtually unattended by risk. It had no effect whatever on the normal ordinary life and health and capacity of the individual. It had nothing in common with any of the operations used for the removal of any gland. It in no way affected sex life or sexual secretions. The only effect was that the sexual act when performed did not result in fertilisation. Another argument frequently used against the recommendation of the committee that sterilisation should be legalised was that a mentally defective

person cannot have full volition. That argument, again, was dealt with extensively in the report. Sexual sterilisation to-day for health reasons as opposed to eugenic sterilisation was perfectly legal. Every year hundreds of people in this country had such operations performed either by private practitioners or in general hospitals for reasons of their own health. Most frequently this occurred with women likely to be endangered by child-bearing. But it was illegal for a person to be sterilised in the interests of posterity—or it was probably illegal, because it was not settled as a matter of case law or statute law.

Of the 300,000 defectives estimated to be in England and Wales, 200,000 at least conducted their lives in the ordinary way as members of the community and for all other purposes save this were held to have volition. Then there were people who had hereditary disabilities. Was it to be said that they had not complete volition? There were also carriers, themselves sound, whose progeny might well suffer from some congenital trouble. There was one point by which the Brock Committee was very much impressed—the position of the unfortunate normal child of a defective parent. It was perhaps one of the most telling arguments in favour of sterilisation.

One of the obstacles to this desirable reform arose from the opposition of the Roman Catholic Church. Fifteen years ago the whole question of sterilisation was brushed aside as so improper, so unthinkable, and so impracticable as to be unworthy of argument. Public opinion had moved a long way since then, and with it that great Church, which for generations had moulded and directed so much of human thought but which, he believed, had never in the long run stood across the path of progress, had modified its position. There was no reason why, if the Papal authorities decided to do so, they should not with perfect consistency change their attitude on the subject. It was a matter of discipline only and not of dogma. Since no responsible authority in this country had ever advocated sterilisation being anything but voluntary, and since, therefore, there was no possible suggestion that it could be inflicted on anyone, why should the Roman Catholic Church deny to those who were not Roman Catholics a form of relief which they desired? There had been much less opposition to the idea in the country than was supposed, and particularly among the poorer classes, who were the people who suffered most from the proximity of defectives and comprised the class which could not afford the use of nursing-homes, there was a fervent demand for the legislation of sterilisation. The present position was class legislation. Those who were well off could get themselves sterilised if they wanted to, and those who are not well off cannot do so.

Some of the more important bodies which had recently signified their support of the principle of voluntary sterilisation included the Royal College of Physicians, the Royal College of Surgeons, the Society of Medical Officers of Health, the Mental Hospitals Association, the Women's Public Health Officers' Association, the County Councils Association, the Association of Municipal Corporations, and many others. He hoped that the Minister of Health would be able to give some statement on what was being done about the research recommended by the Brock Committee, and incidentally by other bodies, such as the Departmental Committee on Scottish Health Services of 1936. There were now many countries abroad which had on their statute books and in practice sterilisation laws. Those countries included Germany, the Scandinavian countries, and some British Dominions. Those who advocated voluntary sterilisation did not for a moment suggest that it was going to be a universal panacea or a substitute for other efforts. All they said was that for those who wanted it administered under adequate safeguards, such as were recommended by the Brock Committee, it would be a most important and very necessary weapon in the armoury of preventive medicine.

Sir FRANCIS ACLAND, in seconding the amendment, said that the more he had studied the question the more convinced he had become that something ought to be done without too long a delay. He emphasised a point implicit in the whole campaign for voluntary sterilisation on the lines of the Brock Report—namely, that this campaign was not, as it had been represented to be, the thin end of the wedge towards compulsory sterilisation. It was the very reverse and antithesis of the whole idea of anything compulsory. The proposal was not that anyone could go and get himself or herself sterilised, but there must be very careful inquiry and certification by the two doctors, who were both specially approved for the purpose, with an expert Ministry of Health committee in the background in case the Minister's advisers were not satisfied with the medical reports and certificates. That had this importance that in three out of four classes who would be entitled to apply for voluntary sterilisation under the Brock Report, the certificates could only be given if the practitioner were satisfied that the person applying was suffering, or had suffered, from disability or disorder deemed to be inheritable, or was a person deemed to be likely to transmit defectiveness or disorder or great disability to a subsequent generation. No really honest opinion with regard to that could be formed unless the practitioners concerned had had access to the family histories of both of the past generations and of the collaterals of the persons concerned. No one would give information if there was any possibility that a person might be sought out and compulsorily sterilised. Therefore the whole machinery on which voluntary sterilisation rested, which depended on the care and conscientiousness and thoroughness of these reports, would be brought to naught immediately any system of compulsory sterilisation was introduced.

Mr. LOGAN said that the teaching of the Church was that man was made to multiply, and there was no getting away from that special ordinance. This measure could not be applied unless it was made compulsory. It was a very bad thing for medical men to advocate sterilisation in view of the great advances in science, and he suggested that people would be doing better to give attention to raising the standard of life for the worker.

Captain GUNSTON said that the Brock Committee reported that "The children of parents one or both of whom are mentally defective are, on the average, below the normal, and our inquiry shows that nearly one-third of such children as survive are likely to be defective, and more than two-fifths must be expected to exhibit some degree of abnormality." In the face of evidence like that, it could not be said that they ought not to take measure to reduce the number of mental defectives born into the world.

Mr. PRITT said that this was a very fundamental step to propose and further research was really the proper course. He understood that on the whole the results so far in the United States where voluntary sterilisation had been seriously applied had been a little disappointing from a statistical point of view. The results in Germany really ought to be ruled out entirely, because they had not been going very long, and were obviously administered with such bad motives and such reckless disregard of decency, that it would not be fair even to use them as an illustration of the abuses that might result in a civilised country.

Sir KINGSLEY WOOD, Minister of Health, said that an allegation had been made that there had been an increase in the number of defectives in this country. Of course it should be borne in mind that the number of defectives under care increased as the general population increased, and as the local authorities became more efficient in ascertaining the existence of defectives, but it could be said with authority that there was no proof that the incidence of mental deficiency in this country was rising. Reference had also been made to what had been done by other countries and he assured the House that, of course,

his Department and the Board of Control kept themselves fully informed of the progress made under foreign statutes. But it could be said with accuracy and truth that, at any rate up to the present time, no results of significance could yet be assessed. For instance, a system of voluntary sterilisation was approved in Norway, and also in Sweden, in 1935. Germany brought in a compulsory system of sterilisation in 1933. Although Denmark began a system, as regards a limited class in 1929, again no useful lessons could be learned from it. Members would appreciate the importance, apart from the merits of the case of taking public opinion wholly with them. Sterilisation laws were in operation in several of the United States, but, in some little use had been made of them. In certain cases the law appeared to have been enacted without any money being provided to work them, but the real explanation of failure in other cases was probably that the enthusiasm of small groups secured the passage of legislation for which there was no general demand and no sufficient backing of public opinion.

Observations had been made in the debate which would lead one to think that perhaps in certain cases the treatment of people who unhappily suffered from this terrible disease was, to quote one expression used, "very horrible." He would like anyone who came across a case of that kind to give information at once. He shared the view of a good many people of what a terrible tragedy it was, and what it must mean to people concerned. But he must testify to the increasing provision, care, forethought, and kindness displayed in these institutions. He would not like it to go out that there was anything else but the utmost consideration shown and large sums of money spent to see that reasonable care and treatment were given. Undoubtedly a great deal had been done. For instance, only in 1934, in consultation with the Board of Control, the Medical Research Council appointed a new committee to advise and assist them in promoting research into mental disorders. Another committee of equal importance had also been appointed by the Medical Research Council, a committee on human genetics, because in spite of the advances made in the biological study of heredity and the application of the results it was felt that the study of human genetics had been relatively neglected. Under the ægis of this latter committee some very interesting researches were now taking place at the Royal Eastern Counties Institution at Colchester by Dr. Penrose and his colleagues, and an important examination of the hereditary characteristics in the blood of mental defectives and their families was now being made by Prof. Fisher and Dr. Taylor of the Galton Laboratory, University College, London. This work was being assisted by grants from the Rockefeller Foundation. Dr. Slater at the Maudsley Hospital, London, was also working on a large-scale field of inquiry into certain different types of mental disorder. Other work was also being carried on, so that it would be seen that this aspect of the question was not being neglected by the Government.

Wing-Commander JAMES asked if the Minister could give an assurance that any funds needed for research would also be forthcoming from the Government?

Sir KINGSLEY WOOD said that would be a very bold undertaking to give without consultation with the Chancellor of the Exchequer, but, if a question of money arose which he (Sir K. Wood) thought was important, he would not hesitate to take it to the Chancellor of the Exchequer. He could say from his knowledge of many years now in connexion with health work that there was no doubt that opinion was growing in favour of sterilisation. When he came back to the Ministry after an absence of some time he saw the record of a deputation from the County Councils Association and the Association of Municipal Corporations in 1935. They represented a large body of people discharging responsible duties in a wide field of public and social work. It would have astonished a great many people if such a deputation had taken place only two or three years before. But he could not disguise the fact that opposition still remained, and there was much conflict of opinion, particularly on religious grounds. The medical profession were by no means unanimous on the matter. If one asked even the medical men that one knew in one's private circle there was not a great deal of unanimity of opinion. Resolutions of certain learned colleges had been quoted, but he very much questioned whether one would get anything like unanimity from the British Medical Association.

Mr. THURTLE asked if it was not a fact that on most matters one could not get unanimity in the medical profession.

Sir KINGSLEY WOOD said there were always small minorities, and one dealt with them as best one could, but there would be found, he thought, in the British Medical Association, a pretty steady and strong view on most medical matters of the day. He was endeavouring to put fairly the other side of the matter, and he doubted very much whether they would get such a strong vote as would justify a Bill being promoted at this moment. It was desirable that ample time should be given for consideration and to get public opinion developed, as he believed it was developing.

Wing-Commander JAMES withdrew his amendment.

NUTRITION: NEW GOVERNMENT SURVEYS

ON April 13th, in the House of Commons, Mr. ROWSON said that there could be no doubt that there were many people in this country suffering from a shortage of essential foodstuffs. The case was proved and accepted that large numbers of people were suffering from malnutrition. The Ministry of Health was certainly the best department through which they could act if they desired to improve conditions among the people. They should extend as far as possible the drinking of milk and also give advice on the right kinds of foodstuffs. He would like to see through the health committees of the local authorities a more widespread use of the valuable food that was produced, and, if necessary, free distribution among the child population. The Minister of Health should do something with a view to organising the better feeding of children in the schools. He hoped the Minister and all Members of the House would recognise that this was a problem which must be faced. There was intense suffering all over the country, and they ought to do their best to remedy this terrible evil among the people.

Sir KINGSLEY WOOD said he welcomed this discussion because it came at an opportune moment, and he seized the opportunity to call the attention of Members to the publication of the first report of the Advisory Committee on Nutrition of the Ministry of Health. That was the most valuable document on nutrition that they had had up to the present time, and there could be no question as to the authority of the committee, and its report was unanimous. It served a very useful purpose at present in that during the last year or two the question of nutrition had not only been a subject of much discussion, but one on which all sorts of confusing statements had been made about the condition of the nation. The committee said that a great deal of further information on the facts must be obtained before they could reach a final national policy on nutrition. The report was particularly valuable in that it pointed out a number of ways along which they could make many advances. But while nutrition was an important side, it was only one side of our national health problem. A man did not live by calories alone; the national health did not depend only on vitamins, but on a steady pursuit of many objectives, such as better housing, the clearance of slums, maternity and child welfare, the provision of more open spaces and physical recreation. To-day no word was more often used and abused than "malnutrition." Members should read Dr. M'Gonigle's book in which he gave a very fair description of what malnutrition really meant.

On their broad survey, the Advisory Committee had come to the conclusion that the consumption per head of most foodstuffs had increased since the war, and the weakest thing to which they could point in connexion with the national dietary was the consumption of milk which is on a very low level in this country. The consumption per head had slightly declined since before the late war. Milk was the most complete food known and that there was no single step which would do more to improve the health and the resistance to disease of the rising generation than a largely increased consumption of safe milk by mothers, children, and adolescents. They found that, on the average of the years 1934 and 1935 all except a relatively small part of the population were obtaining the full amount of calories which they required. The national diet also contained enough protein, provided the consumption of animal protein increased, while that of vegetable protein remained nearly constant, as the standard of living rose with income. Sir Kingsley had asked each local authority to review at an early date its arrangements under the Maternity and Child Welfare Acts for the supply of milk and other foods, in view of the importance of securing that the diet of expectant and nursing mothers should contain the proper constituents and that the consumption of milk, especially by young people, should be increased. Practically all local authorities had already made some arrangements for the supply of milk, and many also for the supply of other foods, but it was essential that this important matter should be adequately dealt with throughout the country.

He had also drawn the attention of the authorities to the fact that there was to be no question of the limitations. He had told the authorities that he did not think it desirable to adopt any such restriction, for instance, as limiting the supply of milk to the last two or three months of pregnancy only, or only to children up to the age of 18 months or 2 years, or in every case to a pint per day. It was also very important that the scales of income should not be framed so as to render it difficult for any mother to take advantage of the authority's arrangements. Wherever possible efficiently pasteurised milk should be provided, and that where this was not practicable the medical officer of health should approve of the source and quality of the supply. He had also asked the authorities to consider afresh the question of a properly organised system of meals.

In some areas local authorities had hesitated on grounds of financial stringency to develop these services as fully as they desired to do, but the additional financial assistance afforded by the recently passed Local Government (Financial Provisions) Act provided a further reason for an early review by the authority of existing arrangements. The block grants to local authorities had just been raised by £5,000,000 to nearly £50,000,000 a year and at any rate the rearranged distribution gave a larger share to the authorities whose need was greatest. Therefore, he considered that many of them would be able to continue and extend the work which they were doing in the direction indicated by the Advisory Committee.

The Advisory Committee had asked for certain further information before they issue their next report. The Minister of Labour was shortly to undertake a family budget inquiry to provide the material required for a revision of the basis of the cost of living index. This was going to be incorporated in the Ministry of Labour cost-of-living inquiry which would involve the collection of budgets from 10,000 families for one week, and from the large proportion of those families for three other weeks, and also supplementary budgets of personal expenditure from wage-earning members of the families. They thus hoped to be able to obtain the further information asked for by the Advisory Committee. They also proposed to make certain dietary studies which were recommended by the Advisory Committee, some of which would naturally take a considerable time.

Mr. E. J. WILLIAMS said that Dr. Somerville Hastings, speaking recently of the inspection of children under the school medical service, had said that six minutes was taken to examine a school child, and he had complained that it was quite impossible to find out the flaws in a child's health in six minutes. Mr. Williams asked the Minister whether something could not be done to give far more accurate information as to school-children's state of health than we had at present. He hoped what Dr. Hastings had said would be examined by the Department, to see whether it was possible to find out the actual physical state of a child in six minutes, including the time in which a report had to be written on the child's condition. Yet the figures presented in reports on the condition of school-children in this country were dependent on such scanty examination as that. They did not really know the physical state of school-children, and with such inadequate medical examinations they could not hope to know it. The Minister should insist that the school medical service was treated in a far more scientific way than existed to-day.

Mr. A. V. ALEXANDER said that the policy which the Government had adopted was not touching the problem. The Minister seemed to take pride in the fact that there was to be a further inquiry into family budgets. In the inquiries at Sheffield, Liverpool, Manchester, Salford, and that of the British Medical Association, they had an abundance of material available about what dietaries cost the household for the Government to take any necessary action if they liked. It was simply a long-drawn-out process of appointing inquiry after inquiry instead of doing what was essential, enabling the people concerned in one form or another, either by improved wages, or by increased assistance or by adequate scales for those who had recourse to public assistance, to be able at least to purchase the minimum standard of food required to set up a proper basis of nutrition. There was sufficient evidence already to show that the increased cost of basic dietaries to-day was such as to justify the special attention of the Government to the income of the families which had to obtain the food.

Mr. R. S. HUDSON, Parliamentary Secretary to the Ministry of Health, replying to the statement that the results of an examination of school-children could not be of very great value because the time taken for the examination was only six minutes, and obviously it was impossible to have a proper examination in that time, said he was told that in fact the time taken for the examination was not six minutes, and that the examination of some of the children took a longer time and that of others less time, the average being six minutes, which was adequate for the purpose. It was absurd for Mr. Alexander to say that as a result of something the Government had done the people in this country were seriously prejudiced in obtaining adequate food. In some of the reports of Lancashire medical officers of health dealing with the health of school-children in Lancashire, one of the most reassuring things which emerged was that even in the boroughs in Lancashire where, in view of the long-continued distress which many of these boroughs had suffered one would have expected to find high rates of malnutrition and subnutrition among school-children, actually one did not find that. Anyone who knew Lancashire would know of the great amount of unemployment and suffering which St. Helens had gone through in recent years. The medical officer of health of St. Helens reported last year—and there was no question here of averages—that out of a total school population of 5797 who were examined he only found eight individual school-children suffering from malnutrition.

The motion that the Speaker do leave the chair was carried by 161 votes to 120.

FACTORIES BILL IN COMMITTEE

THE Factories Bill was further considered by a Standing Committee of the House of Commons on April 13th. Major LLOYD GEORGE was in the chair.

On Clause 65, which deals with the procedure at inquests in the case of death by accident or industrial disease in a factory,

Mr. MANDER urged that where a coroner directed a post-mortem examination of the body of any person whose death might have been caused by accident or disease the various interested parties should be entitled to be represented by a medical practitioner. He said that there was considerable anxiety on this point and it was the subject of a recommendation in the report on the question of coroners. Mr. SILVERMAN said he had had professional experience very recently of a case which threw a great deal of light on the point raised by Mr. Mander. A man who had contracted silicosis was granted a workman's compensation award on the basis of total incapacity under the silicosis scheme. After a considerable time the man died and prior to the inquest there was a post-mortem examination conducted by the surgeon who had been requested to act by the coroner. The surgeon's evidence was that the man had died from silicosis and a verdict was returned to that effect. He (Mr. Silverman) understood that at the post mortem portions of the lung were detached and sent, as was the custom, to the Silicosis Board and some little time afterwards there was a decision by the Board that the man had not died from silicosis but from tuberculosis accompanied by silicosis. Therefore no compensation to the widow was payable. From the decisions of the Board there was no appeal. If Mr. Mander's suggestion was agreed to in such cases the widow would be represented at the post-mortem and the inquest. Mr. LLOYD, Under-Secretary, Home Office, said that it seemed undesirable to deal with the post-mortem procedure in this Bill. The Coroners' Committee made various recommendations on the subject which ought to be considered as a whole. It was suggested therefore that this matter should be left to be dealt with by further legislation when it could be looked at as a whole and in perspective.

The clause was ordered to stand part of the Bill.

On Clause 67 (Duty of examining surgeon to investigate and report in certain cases),

Mr. LLOYD, replying to questions in regard to the reason why the surgeons were designated "examining surgeons" instead of "certifying surgeons," said he was informed that the surgeons preferred the term "examining surgeons." He would look into the matter in consultation with his advisers at the Home Office before the report stage.

The clause was ordered to stand part of the Bill.

On Clause 68, which provides among other things that, subject to certain exceptions, the total hours worked by women and young persons in factories, exclusive of intervals for meals and rest shall not exceed nine in any day or 48 in any week; that the period of employment shall not exceed 11 hours in any day and shall not begin earlier than six o'clock in the morning or end later than eight o'clock in the evening, or on Saturday, one o'clock in the afternoon; and that where women and young persons are not employed on more than five days in the week the total hours worked may extend to ten and the period of employment may extend to twelve hours in any day,

Mr. RIDLEY moved an amendment providing that it should not be lawful to employ a young person under the age of 15 in a factory. He said that doctors objected to the Clause as it stood because by it sleep was denied and educationists did not want it because by it education was denied. No one wanted the clause except the bad employer.

Mr. DENMAN said that to the general proposition that a young person below the age of 15 still growing and developing should not become part of a machine and work long hours still required under this Bill he thought the whole Committee could almost unanimously agree. But there was a real difficulty here. The new Education Act did not come into force until 1939 and therefore there would be a year's gap. While there was nothing to prevent the children staying at school during that interval they had to face the fact that they would leave school in large numbers and if this amendment were passed they would be prevented from getting into the best available occupations at that age. He agreed that they should strive for the time when children would be kept at school and not be allowed to go out into the labour market so early, but while they were on the labour market it would be a mistake to decline to let them enter what were frequently some of the best occupations.

After further debate,

Sir JOHN SIMON, Home Secretary, said that the Committee had now reached one of the really important parts of the Bill. He had taken the view from the beginning that in some respects the measure called for a change of drafting. Clause 145 (which deals with general interpretation) as the Bill stood stated: "Young person" means "a person who has attained the age of fourteen but has not attained the age of eighteen." They had to remember that Parliament had passed a new Education Act and the Factories Bill must be drafted in a form which fitted the Education Act. Therefore the Government had put down an amendment to add to Clause 145 the following:—

"But does not include any person whose parent is required under or by virtue of the Education Acts, 1921 to 1936, to cause him (unless there is some reasonable excuse) to attend school or to attend an alternative course within the meaning of the Education Act, 1936."

That, he thought, was the proper way in which to ensure that the provisions of the Education Act should be consistent with the factory law. Since the Factories Bill was introduced the Committee on Unregulated Occupations had reported and it dealt with various classes of young persons, including van boys and others employed in connexion with factories. The Committee recommended that there should be regulation of the hours of work for young persons employed in connexion with factories, docks, and warehouses. It further suggested that it might be possible to introduce that into the present Factories Bill. As far as he (Sir J. Simon) could see it ought to be possible to do that, and, if so, it would stop an important gap. He was sorry that in the circumstances he could not offer to do more in this matter than he had said.

Sir ERNEST GRAHAM-LITTLE said that there was one very important argument that had not been used and that was in connexion with the diminution in the number of children in the country. The capital which the child population represented was the most important capital that a nation could possess. Let them make sure that they did the very best for that capital which was possible. If they were going to deprive children of adding to their education it would be uneconomical and foolish.

The amendment was still under discussion when the Committee adjourned.

Debate on the amendment was resumed when the Committee met on April 15th.

Replying to a number of speeches,

Mr. LLOYD said that there was no justification for saying that in no circumstances could it be regarded as beneficial for juveniles between 14 and 15 to go into factory employment. The Board of Education had undertaken that in a circular which they were issuing to local authorities they would draw special attention to the importance of the permanence of employment being regarded as one of the considerations to be borne in mind in determining whether the employment was beneficial or not. The proposal in the amendment would completely hamstring the arrangements made under the new

Education Act. It was not a practical proposal in the interests of the juveniles and it cast an unjustifiable slur on factory employment as such.

After further discussion the amendment was negatived by 32 votes to 22.

Mr. RIDLEY moved an amendment to the same clause to make its provisions apply to all workers in factories.

Sir J. SIMON, in opposing the amendment, said it was a novel proposal. It was a suggestion to establish by law, for the first time in this country, the maximum number of hours to be worked by a grown man in a factory. In the past there had been collective bargaining between the trade unions and the employers and the law had only limited the hours of work in relation to certain classes of people because it was thought that they were in special need of protection.

After a long debate the amendment was negatived by 29 votes to 16.

The Committee adjourned.

HOURS OF EMPLOYMENT IN HOSPITALS

ON April 14th in the House of Commons Mr. KIRBY asked leave to bring in a Bill to provide for the limitation of hours of work for persons employed in or in connexion with hospitals and institutions under the control of local authorities. He pointed out that the measure did not apply in any way to voluntary hospitals or institutions of that character. He and his friends would desire that it should cover those voluntary institutions as well but they realised the difficulties that a Bill of this sort might bring to them and therefore they were deliberately excluded. The Bill provided for a working week of 48 hours for the outdoor staffs and in the event of urgency or emergency those hours might be exceeded, providing that overtime was paid at the usual scales as provided for in agreements between employers and workpeople. So far as the indoor staffs were concerned the Bill provided for 96 hours' work in each fortnight with the same provisions for overtime as applied to the ordinary outdoor staffs. He thought it would be generally agreed that so far as the nursing and other indoor staffs were concerned it was desirable that not too strict a line should be laid down in order that the emergencies of the nursing services should be provided for if necessary. With a 96-hours' fortnight instead of a 48-hours' week there would be a much wider scope for the indoor staff in their various duties and shifts than if it was confined to a 48-hours' week. He believed that provision would be a special boon to the smaller institutions and hospitals where they had a very small number of personnel to deal with. The other provision of the Bill was that every worker whether employed on the indoor or outdoor staff should have a rest day in every week—a full 24 hours off duty for every calendar week worked.

The conditions in hospitals and institutions of a similar character had been widely investigated during the past two years, and those investigations showed that there was chaos generally in the management, which required rationalising and regularising in a great number of ways and particularly in regard to hours. At the present moment those people who worked outside these institutions—motormen and ambulance attendants—by reason of the fact that they were in a trade union enjoyed better hours and conditions of labour than many of the nursing staff employed inside, and he was particularly anxious that so far as the inside staffs were concerned this Bill should become law very soon. He would give the House two quotations from letters he had received relating particularly to the conditions of the nursing staffs in hospitals and institutions. The first letter came from a national organisation of a responsible trade union catering for this class of worker. He said :—

"Owing to the long hours, which are aggravated particularly by split duties, or spread-over system, a number of authorities are finding it almost impossible to recruit adequate nursing staffs for their hospitals. The most recent case I know of in this connexion is that of the —— county council, whose chief officer reported that he was unable to recruit the necessary number of nurses to staff their hospitals and institutions, and that in fact, at the present time they are short staffed."

The other quotation was from a lady member of a local authority. She said :—

"The facts are that great difficulty is being experienced at the moment throughout the country in inducing women to enter institutional life owing to the prevailing conditions. With regard to the nurses a very acute shortage of entrants to the profession is being experienced especially by municipal hospitals. It would be true to say that if a serious epidemic occurred in London or in one of the large provincial towns there would not be a sufficient staff to man the hospitals. . . . The reasons given for this are long hours of duty spread over insufficient leisure time and so on."

Leave was granted to bring in the Bill, which was read a first time.

Mr. CLEMENT DAVIES presented the Magdalen Hospital Bill, a measure to confirm a scheme of the Charity Commissioners for the application or management of the charity called the Magdalen Hospital in the County of London. The Bill was read a first time.

INSANITY AS GROUND FOR DIVORCE

IN the House of Commons on April 16th the Marriage Bill, as amended in Standing Committee, was considered on Report.

Mr. TURTON moved an amendment to make the grant of divorce on the grounds of incurable insanity subject to a period of seven years instead of five. That period, he said, would be more consistent with the present law and would also give a better safeguard to those who disliked giving divorce on these grounds.

Commander BOWER, in seconding the amendment, said this was one of the most difficult questions to deal with. It was difficult to find any medical men who would give a definition of incurable insanity or would definitely say that the condition of any particular patient was incurable. This allowing of divorce for insanity, whether considered incurable or not, might in many cases have a most unfortunate effect on a patient of unstable mind. Most important of all was the question of those who had voluntarily entered a mental institution. A voluntary patient under Section 1 (5) of the Act of 1930 might leave the institution, hospital, or home on giving 72 hours' notice, or if he was under 16 such notice was given by parent or guardian. They therefore had this astonishing legal anomaly that a person who was well enough to go out of an institution at short notice under the Act was considered by the promoters of this Marriage Bill to be so insane that he could be divorced behind his back.

Sir J. WITHERS: No. There is a period of five years and also there must be medical evidence.

Lieut.-Commander AGNEW said that not only was medical opinion confused but public opinion was in grave doubts on this question. When those doubts existed the period necessary for granting divorce for incurable insanity should not be less than for granting it for overseas desertion, which provided for the presumption of death after seven years.

Sir ARNOLD WILSON said that on behalf of the promoters of the Bill he opposed the amendment. The recommendation of the Royal Commission of 1912 on this subject was that five years should be the period during which continuous care and treatment should be applied before there could be judgment on the matter of incurability.

Mr. CROSSLEY asked if the clause meant that no decision could be taken by any medical authorities about the incurability of a patient until he had been in an institution for five years.

Sir A. WILSON said that was so. The conditions were that not only must the patient be continuously under treatment for five years, but he must also after that be subjected to a medical examination which in the opinion of the Court was sufficient to prove that he was in fact incurably insane. Everything that had been said in support of the amendment justified the conclusion that doctors would in future be increasingly reluctant to declare that a person was incurably of unsound mind and that the question of five years would be of less importance than it was in 1912. As to the voluntary patients he pointed out that they must have been continuously under treatment without any interval. After a very careful survey of the reports of the Board of Control of the last few years, of the figures about incurability, and of the very great efforts which were being made with the aid of funds provided by the Medical Research Council, the Rockefeller Trust and others to extend the possible relief of insanity he was confident that this clause was as safe as anybody could make it, and that they would be ill-advised to increase to seven years the period during which a patient must be under continuous treatment. Out of 100 possible recoveries only two took place after the period of five years.

After further debate, the amendment was negatived by 141 votes to 48.

The further consideration of the Bill was adjourned.

NEW BLOCK GRANTS FOR SCOTLAND

IN moving the second reading of the Local Government (Financial Provisions) (Scotland) Bill in the House of Commons on April 15th, Mr. ELLIOT, Secretary of State for Scotland, said that the Bill had four main objects. First it fixed the amount of the Exchequer contribution given by way of block grant to Scottish local authorities for a period of five years. Secondly, it relieved local authorities in Scotland of the payment of contributions under Section 45 of the Unemployment Act, 1934. Thirdly, it made provision for calculating the grant in future fixed grant periods; and lastly, it amended the formula on the basis of which the larger part of the block grant was distributed among the local authorities. With regard to the amount of grant in the next five years the Bill proposed an annual sum of £6,827,000 per annum, or £600,000 more than in the previous grant period. In addition it proposed to relieve local authorities of their liability to make payments towards the cost of unemployment assistance, which amounted now to about £745,000 per annum. Furthermore no account was taken in arriving at this general Exchequer contribution of the relief afforded to county councils by the taking over of trunk roads, which amounted to about £90,000 per annum. It would thus be seen that the local authorities in Scotland would be better off in the next fixed grant period to the extent of £1,435,000 a year than at the present time, a very substantial sum. The new formula was more heavily weighted for unemployment and sparsity. The Bill would give substantial additional assistance to the areas which stood in greatest need of it. The total additional relief amounted to nearly £1,500,000 and over £1,000,000 would be devoted to the necessitous areas. Substantial assistance would also be given to the less needy areas.

After further debate, the Bill was read a second time.

MATERNITY SERVICES IN SCOTLAND

THE Maternity Services (Scotland) Bill as amended in Standing Committee, was considered on Report.

Mr. LEONARD moved the following new clause :—

It shall be lawful for a local authority, in consultation with the local organisation of registered medical practitioners as referred to in sub-section (5) of Section 1 of this Act, to publish annually a panel of registered medical practitioners for the purposes of Section 22 of the Midwives (Scotland) Act, 1915, such panel to consist of registered medical practitioners regularly practising midwifery and to be made available to all certified midwives practising within the area of the local authority.

He said the intention was really to give a lead to local authorities.

Mr. MATHERS, in seconding the new clause, said that it simply sought to put into the hands of practising midwives a list of medical practitioners who would be able effectively to assist them in any emergency that they might encounter.

Mr. ELLIOT, Secretary of State for Scotland, said he had every sympathy with the object of the new clause, but in the schemes under the Bill there would be full provision for the midwives to know where the practitioners, and indeed the specialists, were. The impression of his Department was that the scheme would cover 80 per cent. of the confinements in Scotland. The other 20 per cent. would not be the poor people but the well-to-do who had their own doctors and were in touch with the obstetric specialist as well. It would not be left to the midwives to pick a doctor from a casual list of practitioners which might or might not be issued by the local authorities. It would be the duty of the midwife to be in touch and to work with the woman's own medical attendant and if she did not know where the medical attendant was, or where in his absence some other practitioner could be found, then she would be in fault under the new schemes. He hoped the hon. Members who had put forward this new clause would consider that their purpose would be achieved in the schemes under the Bill and would not press the matter.

Mr. LEONARD said he was indebted to the Secretary of State for his explanation and was willing to withdraw the clause.

The clause was withdrawn.

Mr. ELLIOT moved an amendment to the clause providing that the medical schools and other midwifery training bodies should have an opportunity to make representations.

This amendment was agreed to.

Mr. WESTWOOD moved an amendment the purpose of which he said was to strengthen the prohibition of unqualified persons from acting. It was felt that under this clause it would be possible for a young medical student just entering on his studies or for a temporary nurse just starting her training to take control of a case. That was altogether unsatisfactory. Both student and nurse ought to be given a period of training of at least three years before having the responsibility of dealing with maternity cases.

Mr. ELLIOT said neither medical students nor pupil midwives could now undertake a domiciliary case until they had had a complete theoretical course and adequate practical instruction, including the delivering of women in labour, under qualified supervision in an institution. The existing safeguards went further than the statutory form suggested in the amendment. Under the rules of the General Medical Council no medical student might undertake practical midwifery until the last term of the fourth year of his curriculum. Further, he would point out that the whole matter was governed by schemes and he undertook in scrutinising these schemes to give his personal attention to them and to ensure that no danger should arise of medical students going out to cases earlier than the period which hon. Members had put forward. He was certain that the General Medical Council had no intention of relaxing their rules, and it might well be that their rules were stiffer. He did not want to undertake that men should not go out under three years' training when the General Medical Council said that they should not go out until the last term of their fourth year. He hoped the House would consider that his suggestion was adequate to deal with the question of the training of medical students.

Mr. WESTWOOD said after the explanation of the Secretary of State and the pledge he had given, he was prepared to withdraw the amendment.

Mr. WESTWOOD said the right hon. gentleman's explanation on the training of the medical student was quite satisfactory, but he thought the House was entitled to an explanation with regard to the training of the nurse. He moved an amendment that midwives should have at least two years' training.

Mr. ELLIOT said the full course of the midwives curriculum under the rules of the Central Midwives Board extended over only twelve months and therefore he did not think the amendment would be possible in practice. The Central Midwives Board contemplated an extended period of training, but not, he thought, to the extent which would render this amendment practicable. Women who were already registered nurses under the Nurses Registration Act qualified as midwives after a six months' course, but being registered as nurses they had had a long training already. He thought Mr. Westwood had more in view people who were working for the full course of the midwives curriculum under the Central Midwives Board. Looking at the matter from that point of view it would be difficult to start amending by Statute the rules of the Central Midwives Board. The Board tried to make sure that no one should be asked to undertake this tremendous responsibility without having gone through a course which the responsible professional people thought was a proper one. He would, however, be very glad to look into the question whether there was any loophole or gap by which comparatively untrained persons could be faced with this very great responsibility. His belief, however, was that that would not and could not arise. If any safeguard was necessary it could be secured in the schemes framed in conjunction with the local authority and subject to the approval of the Department.

Mr. MAXTON said the Secretary of State was relying upon the appropriate professional organisations to see to this matter, but the evil they were trying to combat had grown up under existing professional organisations.

Mr. ELLIOT said that the evil to which the hon. Member referred had been combated and was in process of eradication under these professional bodies. He thought the professional bodies were tightening up their regulations almost every year in regard to these things.

Mr. WESTWOOD said after the very clear explanation and promise given by the Secretary of State he was willing to withdraw the amendment.

The Report stage was concluded and the Bill was read the third time and passed.

THE BUDGET

HIGHER INCOME-TAX AND NEW TRADE PROFITS DUTY

IN the House of Commons on April 20th Mr. CHAMBERLAIN, Chancellor of the Exchequer, introduced his Budget. He said that in spite of an allowance of over £50,000,000 more for defence in his last Budget a small surplus was anticipated. Owing, however, to the recent acceleration of the defence programme there was an actual realised deficit of £5,597,000. If the defence expenditure had not exceeded the Budget provision by £7,821,000 there would have been a formal surplus of nearly £2,250,000 after applying over £13,000,000 of ordinary revenue to debt redemption. The total revenue for 1937–38 was estimated at £847,950,000 and the total expenditure at £862,848,000, leaving a deficit of £14,898,000.

Dealing with his proposals for changes in taxation the right hon. gentleman indicated that steps would be taken to deal with tax avoidance in regard to "bond washing" and one man investment companies. The report of the Select Committee on the Medicine Stamp Duties had been made public. He had had a good many representations from various quarters since the publication of the report and he was having the recommendations of the committee examined in the light of those representations. But in view of the very complex issues involved and the existing strain upon the time of Parliament he was not proposing to introduce legislation on that subject in the Finance Bill this year. (Cheers.)

Effect would be given from Jan. 1st, 1938, to the recent announcement by the Minister of Health in regard to the abolition of the Male Servant Licence Duty. The rate of income-tax would be raised by 3*d.* in the £ to 5*s.* and there would be a new graduated duty on the growth of profits of trades and businesses called the "National Defence Contribution." Mr. Chamberlain made it clear that professional profits would be exempt from the new tax. The additional 3*d.* in the £ on income-tax, the new profits duty, and the measures to deal with tax avoidance were expected to yield an additional revenue of £15,150,000 this year, making a total estimated revenue of £863,100,000. After taking account of a total estimated expenditure of £862,848,000 there was an anticipated surplus of £252,000. The aim of his Budget, said Mr. Chamberlain, was on the one hand to avoid a tremendous increase in tax burdens which would check convalescence—hence the decision to resort to borrowing for defence purposes—and on the other hand to make such increases as would check feverish activity without inspiring an upward trend.

In the House of Lords on April 15th the Education (Deaf Children) Bill was read the third time and passed.

In the House of Commons on April 16th the Methylated Spirits (Scotland) Bill was read the third time and passed.

QUESTION TIME

WEDNESDAY, APRIL 14TH

Human Nutrition in Tanganyika

Mr. MATHERS asked the Secretary of State for the Colonies whether he could make any statement as to the departmental committee in Tanganyika on the subject of human nutrition in that territory; and whether that committee would take into consideration the memorandum by the International Institute of African Languages and Cultures, pointing out the need of combining medical and anthropological inquiry in respect of nutrition problems.—Mr. ORMSBY-GORE replied: As the result of the circular dispatch published in 1936 as Colonial No. 121, a Departmental Committee has been set up in Tanganyika as in many other parts of the Colonial Empire to study questions relating to human nutrition. Copies of the memorandum to which the hon. Member refers have already been sent to all African Governments, and I have no doubt that the desirability of combining medical and anthropological inquiry will be given full weight by the Committee.

Mr. MATHERS: Is there any actual guidance in the dispatch referred to that inquiry should follow those lines?—Mr. ORMSBY-GORE: Yes. This dispatch suggests certain lines, and I think the hon. Member knows a special Committee of the Civil and Research Organisation here are receiving replies as they come in from the various Dependencies.

Unemployment and Sterilisation in Bermuda

Mr. GALLACHER asked the Secretary of State for the Colonies whether his attention had been drawn to the recommendations contained in the report of the Select Committee appointed on Feb. 5th, 1935, to consider and report on the existing state of unemployment in Bermuda; if he was aware that these recommendations provided for compulsory sterilisation; whether it was proposed to give effect to these recommendations by means of legislation; and, if so, whether he would intimate to the government of Bermuda that the recommendations of the Select Committee were objectionable and that the proposed legislation should not be proceeded with.—Mr. ORMSBY-GORE replied: The answer to the first and second parts of the question is in the affirmative. As regards the latter part of the question, I am informed by the Governor

of Bermuda that no action regarding compulsory sterilisation is contemplated.

THURSDAY, APRIL 15TH

Labour Exchange and Manchester Royal Infirmary

Mr. FLEMING asked the Minister of Labour whether he had considered the objection submitted to him against his proposal to erect a labour exchange adjoining the central branch of the Manchester Royal Infirmary; and whether he still intended to proceed with the said building.—Mr. ELLIS SMITH, Mr. WEDGWOOD BENN, and Mr. EMERY asked similar questions on the same subject.—Mr. ERNEST BROWN replied: I am now in consultation with the First Commissioner of Works regarding certain proposals recently made to me informally on behalf of the Board of the Manchester Royal Infirmary, but until our inquiries are completed, I am unable to make any statement.

Mr. FLEMING: Has the Minister considered the serious objection of the medical profession in Manchester on the ground that this proposed building will gravely obstruct the work that is being carried on in the central branch of the Royal Infirmary?—Mr. BROWN: I am aware not only of that objection but of some others which have been put to me. I am also aware that for 15 years past the great social service of the Employment Exchange in Manchester has been carried on in a building that is utterly unsuitable and not fair to the staff concerned. Mr. BENN: Has the right hon. gentleman taken any advice as to the public opinion in Manchester with regard to this matter? If not, will he be good enough to do so? Mr. BROWN: I am well aware of the opinion in Manchester. At the request of the representative of the Infirmary I saw him privately and it is for that reason that I am now doing my best to carry out the promise I made to him that I would get consideration for this matter. Replying further to Mr. Benn, Mr. Brown said that some time ago he saw a very important body on this matter and heard all the arguments over again. Mr. E. SMITH: Would the right hon. gentleman also consider the alternative of taking into consultation the Office of Works with a view to taking over the site and suitably compensating the Manchester Royal Infirmary?

Mr. BROWN: I prefer to make no statement about that for the moment.

Hours of Employment of Young Persons

Mr. PALING asked the Home Secretary whether the Government had considered the report of the Departmental Committee on the hours of employment of young persons in certain unregulated occupations; and what steps they proposed to take.—Sir JOHN SIMON replied: Yes, Sir: I have been giving careful consideration to this important report, and I am hopeful that it will be possible to deal in the Factories Bill with the hours of the young persons employed in connexion with factories, docks, and warehouses whose inclusion in the new factory code is recommended by the Committee. As regards the other classes of young persons in whose case the Committee suggested an extension of the Shops Act, 1934, it would be necessary to introduce separate legislation which could not be undertaken during the present session.

Deaths following Vaccination

Mr. GROVES asked the Minister of Health the number of deaths of infants due to vaccination recorded by the Registrar-General in the last ten years.—Sir KINGSLEY WOOD replied: The number of deaths of infants under one year of age classified to vaccinia or other sequelæ of vaccination during the ten years 1926 to 1935 was 42.

MONDAY, APRIL 19TH

Medical Practitioners in Nigeria

Lieut.-Commander FLETCHER asked the Secretary of State for the Colonies the number of medical practitioners in Nigeria, and the proportion borne by this number to the total population.—Mr. ORMSBY-GORE replied: The number of registered medical practitioners in Nigeria, including Mandated Territory, on Jan. 1st, 1937, was 224. This number bears to the total population a proportion of one medical practitioner to every 89,500 persons approximately.

TUESDAY, APRIL 20TH

Insurance Committees and Physical Training

Mr. KENNEDY asked the Secretary of State for Scotland if he had considered a resolution adopted and sent to him by the Kirkcaldy Insurance Committee complaining that no representative of national health insurance committees was included in the list of members who were to be responsible for the organisation of the work of the National Advisory Council for Physical Training and Recreation for Scotland; and if this omission could now be rectified.—Mr. ELLIOT replied: The answer to the first part of the question is in the affirmative. With regard to the second part the members of the Council were appointed because of their personal qualifications and not as representatives of particular organisations. It is not at present proposed to add to their number, but in the event of further appointments being made the possibility of adding a member with special knowledge of national health insurance work will be kept in view.

Ex-Service Man and Treatment for Tuberculosis

Mr. GEORGE GRIFFITHS asked the Secretary of State for War whether he was aware that E. A. Wareham, No. 6,912,364, was discharged from the Rifle Brigade suffering from tuberculosis; that there was no trace of tuberculosis in the soldier's family; if he received any treatment for the disease; and whether the man received a pension or a gratuity.—Mr. DUFF COOPER replied: Yes, Sir. Mr. Wareham's case received thorough investigation and treatment, including surgical treatment which effected a considerable improvement in his condition. He received a gratuity of £18 on his discharge from the Army. I regret that as his disability was not caused by his service; he is not eligible for a pension.

L.C.C. HOSPITAL BUDGET

UNDER this heading on March 27th we published a statement of estimated expenditure by the London County Council on their general and special hospitals during 1937–38. It has been pointed out to us that the figures we reproduced relate only to votes on account, pending the Council's approval of the complete votes for the year. We now publish the correct figures, as submitted to the Council on Tuesday last.

The estimated capital expenditure on general and special hospitals during 1937–38 (excluding provisional sums) is £551,000. The estimated expenditure on maintenance is £5,743,505, made up as follows:—

	£
General hospitals	3,298,750
Infectious hospitals	912,460
Sanatoria	217,920
Children's hospitals	372,225
Pathological laboratories	61,635
Maintenance in hospitals other than those provided by the Council, &c.	203,070
District medical service	41,975
London ambulance service	170,925
Staff	198,895
Miscellaneous expenses	17,495
Sanitary officers	98,300
Public vaccinators	1,000
Diagnosis and treatment of venereal diseases	112,000
Maternity and child welfare	32,000
Midwives services	4,770
Other public health services	985

The total net estimated expenditure for the year (£5,395,820) exceeds the net estimated expenditure for 1936–37 by £212,670, the two principal items accounting for the increase being about £125,000 additional expenditure on staff, and about £78,000 extra under the heading of "provisions, clothing, drugs, domestic renewals, &c."

The estimates put forward by the mental hospitals committee are £235,000 for capital expenditure and £2,796,425 for maintenance.

MEDICAL NEWS

University of Cambridge

The title of the M.B. degree has recently been conferred on Mrs. E. M. P. Wilson.

University of London

On May 3rd, 4th, and 5th, at 5 P.M., at University College, Gower-street, W.C., Prof. H. Rein, director of the physiological institute in the University of Göttingen, will lecture on some economising mechanisms as a condition of the body's adaptation to increased activity. Later in the month four lectures on the history of physiology will also be given at University College: on May 18th Mr. E. S. Russell, D.Sc., will speak on ancient biological conceptions; on May 20th and 21st Prof. Charles Singer will speak on the emergence of modern physiological doctrines; on May 24th Mr. D. McKie, D.Sc., will speak on the development of theories regarding combustion and respiration in the eighteenth century; and on May 25th Mr. F. G. Young, Ph.D., will speak on the development of certain aspects of metabolism during the nineteenth century. These lectures will be at 5.30 P.M. The lectures are open to all interested.

University of Aberdeen

A capital sum has been given anonymously to the university for the foundation of a part-time lectureship in psychopathology. It is a condition of the gift that the lecturer shall not be an alienist and that his clinical work shall be done at the Royal Infirmary. The sum of £500 has also been received from Lord Glanely to permit research in rheumatism.

Royal College of Surgeons of England

The museum of the college will be open at the usual times on and after Monday, April 26th.

Royal College of Physicians of Edinburgh

The council of the college will shortly award a Kirk Duncanson fellowship for medical research. Its value will be £300 for the first year. Further information may be had from the secretary of the college, to whom applications should be sent not later than June 30th.

Aberdeen University Club, London

The ninety-seventh half-yearly dinner of this club will be held at the Café Royal, Regent-street, at 7.30 P.M. on Thursday, April 29th. The chairman will be Sir Peter Chalmers Mitchell, F.R.S., and the chief guest Sir Benjamin Robertson. The hon. secretary's address is 51, Harley-street, W.1.

Child Guidance Council

Three fellowships in psychiatry, each of the value of £300, are offered for half-time work at the London Child Guidance Clinic, 1, Canonbury-place, N.1. Further information may be had from the secretary of the council, Woburn House, Upper Woburn-place, London, W.C.1, and the closing date for receiving applications is May 10th.

Indian Medical Service

The annual dinner of the Indian Medical Service will be held at the Trocadero Restaurant, London, on Wednesday, June 16th, at 7.15 P.M., when Sir Rickard Christophers, F.R.S., will preside. Tickets may be obtained from the joint hon. secretary, Sir Thomas Carey Evans, Hammersmith Hospital, L.C.C., Ducane-road, London, W.12.

The Red Cross in Spain

The international committee of the Red Cross reports that its appeal for funds and for gifts in kind for the relief of the victims of the civil war in Spain continues to meet with response from Red Cross Societies in all parts of the world, but that considerably larger sums are required to meet the appalling needs. The committee continues to pay special attention to the question of help to prisoners. Visits to prisons by Red Cross representatives are now permitted in many localities and standardised parcels of food and clothing are distributed. Prison hospitals have been established, and some prisoners have been exchanged. Contributions may be addressed to Sir Arthur Stanley at 14, Grosvenor-crescent, London, S.W.1.

Royal Sanitary Institute

A meeting of this institute will be held in the Rolls Hall, Monmouth, on Friday, May 7th, when Dr. W. R. Nash, medical officer of health for Caerphilly, and Dr. William Panes, assistant medical officer of health for Monmouthshire, will open a discussion on immunisation in diphtheria. Mr. J. Jenkin Evans, sanitary inspector for Monmouthshire, will also open a discussion on the public health acts, and their implications in rural areas.

Institute of British Surgical Technicians

On Friday, April 30th, at 8 P.M., at the Welbeck Hotel, Welbeck-street, London, W., Sir Weldon Dalrymple-Champneys will give a lecture to this society on the sterilisation of surgical ligatures. Tickets may be obtained free on application to the secretary of the institute, 6, Holborn Viaduct, London, E.C.1.

Carey Coombs Memorial

The Carey Coombs memorial committee and the Bristol Medico-Chirurgical Society have arranged for Mr. Laurence O'Shaughnessy to deliver a lecture on the operative treatment of cardiac ischæmia on Wednesday, May 5th, at 8.30 P.M., in the physiological lecture theatre of the University of Bristol.

French Hospital, London

A clinic for the treatment of hay-fever and allied conditions by ionisation is being opened at this hospital. The treatment, which is free, is available to all who speak French, irrespective of creed or nationality, and will be given on Wednesdays at 4 P.M. (first attendance Thursday at 2 P.M.). Further information may be had from the secretary of the hospital, Shaftesbury-avenue, London, W.1.

Institute of Ray Therapy

This institute was established in 1930 at 152, Camden-road, London, N.W. Its object is "to provide every form of electrical treatment for people of small means for whom it would not otherwise be obtainable," and it is open daily from 2 P.M. to 9 P.M. During 1936 no less than 106,460 treatments were given, and an appeal is now being launched for £25,000 to increase the equipment and enlarge the building. At a luncheon held last Monday Lord Horder, the president, said that the work done at the institute was now well known to doctors in the neighbourhood and also outside it. In many conditions physical methods had largely superseded the bottle of medicine in which patients had so much faith; but physiotherapy could not be very satisfactorily undertaken outside a clinic or an institution which provided up-to-date equipment and nursing facilities and men and women with expert training. The public needed a warning against indiscriminate use of old-fashioned machines by untrained people, which was really a form of quackery. Lord Sempill, chairman of the board of governors, explained that unless £25,000 could be obtained at latest by the end of this year, the work being done at the institute would have to be curtailed and patients turned away. At general hospitals surgical and medical work had to take precedence of electrical treatment, and whenever space was urgently needed in a general hospital the electrotherapy department was crowded out—partly because it needed considerable floor space and a special staff. The conditions treated at the institute included rheumatism and kindred diseases; accident cases after discharge from hospital; children's diseases, such as rickets, adolescent rheumatism, and enlarged glands; skin diseases, nervous disorders, and diseases of the ear, nose, and throat. The institute could and should be a great centre of physical medicine in Great Britain, fit to compare with the most modern and efficient in Europe and America. It had grown, like all great movements, from a very small beginning, but it had grown continuously in usefulness.

Other speakers at the luncheon included Miss Violet Vanbrugh and Mr. Russell Howard, who is a member of the medical advisory committee. The honorary physician and medical director is Dr. William Beaumont.

Maternity Centre at Loughborough

A new maternity and child welfare centre has been opened here by the mayor to mark the twenty-first year of infant welfare work in the town.

Joint Tuberculosis Council

A series of intensive post-graduate courses are being given under the auspices of this council by Dr. Peter Edwards at Cheshire Joint Sanatorium, near Market Drayton. The subject is modern methods of therapy in tuberculosis of the respiratory system with special reference to collapse therapy. The next course will be held from May 25th to 27th, and there will also be courses from Sept. 28th to 30th and from Nov. 23rd to 25th. Further information may be had from Dr. William Brand, the council's hon. secretary for post-graduate courses, 8, Christ Church-place, Epsom, Surrey.

Society for the Relief of Widows and Orphans of Medical Men

A quarterly court of the directors of this society was held on April 7th. The deaths of three of the members were reported and five new members were elected. It was announced that a donation of £111 had been received from the Bovril Medical Agency. A first application for relief was received from a widow of a member who was voted a yearly grant of £50 from the ordinary funds and one of £25 from the Brickwell fund. The number of widows at the present time in receipt of relief has now reached a total of 60, which is the largest number to be dependent on the society at any one time. The annual general meeting of the society will be held on Wednesday, May 19th, at 5 P.M. Membership of the society is open to any registered medical man who at the time of his election is resident within a twenty-mile radius of Charing Cross. Full particulars may be obtained from the secretary, at the offices of the society, 11, Chandos-street, London, W.1.

International Congress of Radiology

The fifth International Congress of Radiology will meet in Chicago from Sept. 13th to 17th, under the presidency of Dr. Arthur C. Christie (Washington). The international executive committee of the congress includes Dr. C. Thurstan Holland (Liverpool), Dr. Gösta Forssell (Stockholm), Dr. Antoine Béclère (Paris), Dr. Hans R. Schinz (Zurich), Dr. Karl Frik (Berlin), Dr. Mario Ponzio (Turin), Dr. Tamotsu Watanabe (Osaka), Dr. Heliodoro Tellez-Plasencia (Santander), and Dr. Gottwald Schwarz (Vienna). Dr. Russell Reynolds is chairman of the British national group and may be addressed at 36, Harley-street, London, W.1. More than 250 scientific papers will be read at the five-day meeting; they will be delivered in the lecturer's own language and will be flashed on screens simultaneously in English, German, and French as the papers are read. A scientific and technical exhibition will also be held. The secretary of the congress is Dr. B. H. Orndoff, 2561, N. Clark-street, Chicago.

Extended District Nursing Scheme for London

At a meeting held on April 19th under the chairmanship of the Earl of Athlone it was recalled how Florence Nightingale, in a letter to the *Times* on April 14th, 1876, quoted an old woman who said, "They nurses is real blessings: now husbands and fathers did ought to pay a penny per week, as 'ud give us a right to call upon they nurses when we wants they." Miss Nightingale thought the old woman had put forward a sensible plan, and it was the purpose of this meeting, held almost exactly 60 years later, to put it into practice by instituting a Greater London provident scheme for district nursing. It is hoped, wherever there are five or more people regularly employed, to make it possible for them to subscribe to the nursing service at the rate of a halfpenny a week if they are not earning more than £6 a week. The benefits will include free nursing care, subject to medical direction, in the patient's home for contributors and their dependents and the loan of certain nursing appliances. Midwifery, normal maternity work, and certain infectious diseases are excluded. Lord Horder and Miss Mercy Wilmshurst, general superintendent of the Queen's Institute of District Nursing, were among the speakers who supported the scheme. The executive committee may be addressed at 1, Sloane-street, S.W.1.

Papworth Village Settlement

At the festival dinner of this settlement on April 20th, over which the Duke of Kent presided, it was announced that a sufficient sum had been raised to claim Lord Nuffield's provisional gift of £25,000. Mr. E. W. Meyerstein has also given £20,000 towards building the new nurses' home.

THE SERVICES

ROYAL NAVAL MEDICAL SERVICE

Surg. Capt. P. L. Gibson to *President* for course.

Surg. Capts. C. F. O. Sankey, O.B.E., to *Victory* for R.N. Hosp. Haslar; W. H. Edgar, O.B.E., to *Victory* for R.N.B.; and E. Moxon-Browne to *Queen Elizabeth*.

Surg. Lt.-Comdrs. F. Dolan to *Drake* for R.N.B. and to *Colombo*; and J. L. Malone to *Pembroke* for R.N.B.

Surg. Lts. I. C. Macdonald to *Pembroke* for R.M. Infirmary, Deal; H. O'Connor to *Arrow*; W. H. C. M. Hamilton to *Falcon*; T. A. M. Maunsell to *President* for course and to *Drake* for R.N.B.; F. A. Crosfil to *London*; R. V. Jones to *Challenger*; L. R. Norsworthy and G. R. Rhodes to *Drake* for R.N.B.; B. O'Neill and M. G. Ross to *Pembroke* for R.N.B.; P. G. Stainton to *Victory* for R.N. Hosp. Haslar; F. P. Ellis to *Pembroke* for R.N. Hosp., Chatham; W. S. Miller to *Shropshire*; A. J. Glazebrook to *Excellent* and to *Tedworth* (on commg.); J. G. Vincent Smith to *Victory* for R.N.B.; G. H. C. R. Critien to *Broke*; and W. Boyd to *Cairo*.

The entry of W. G. Smith, L.D.S., as Surg. Lt. (D) (published in the *Gazette* of April 2nd) is cancelled. (Vide *Lancet*, April 10th.)

ARMY MEDICAL SERVICES

Maj.-Gen. FitzG. G. FitzGerald, C.B., D.S.O., K.H.S., late R.A.M.C., h.p., retires on ret. pay; Col. A. E. S. Irvine, D.S.O., late R.A.M.C., having attained the age for retirement, is placed on ret. pay; Lt.-Col. S. W. Kyle, from R.A.M.C., to be Col.; Maj.-Gen. H. H. A. Emerson, D.S.O., late R.A.M.C., is apptd. Hon. Surg. to the King, vice Maj.-Gen. FitzG. G. FitzGerald.

ROYAL ARMY MEDICAL CORPS

Maj. F. S. Gillespie to be Lt.-Col.

Maj. R. J. Rosie is restd. to the estabt.

TERRITORIAL ARMY

Capt. D. S. Middleton to be Maj.

Capt. J. J. McEnery resigns his commn.

TERRITORIAL ARMY RESERVE OF OFFICERS

Capt. C. A. D. Mitchell, from Active List, to be Capt.

ROYAL AIR FORCE

Wing Comdr. R. S. Overton to R.A.F. Depôt, Uxbridge, for duty as Medical Officer.

Flight Lts. R. E. Alderson to R.A.F. General Hospital, Palestine, and Transjordan, Sarafand; R. A. Cumming to No. 203 (Flying Boat) Squadron, Basrah, Iraq; and J. R. Cellars to R.A.F. Station, Amman, Palestine.

Flying Offr. A. R. Sibbald is transferred to the Reserve, class D.

Flying Offr. J. Conroy resigns his short service commn.

Flying Offrs. J. H. Lewis to No. 2 Flying Training School, Digby; S. Paul to No. 7 Flying Training School, Peterborough; and E. S. Sidey to No. 1 Flying Training School, Leuchars.

Dental Branch.—Flying Offrs. promoted to rank of Flight Lt.: I. St. C. Alderdice, O. F. Brown, J. H. G. Fensom, S. Hill, R. A. Pepper, and W. A. H. Smith.

INDIAN MEDICAL SERVICE

Capt. K. M. Bharucha to be Maj.

Indian Medical Department.—The undermentioned officers retire: Majs. (Sen. Asst. Surgs.) J. B. V. Braganza and F. H. Foy; Lt. (Sen. Asst. Surg.) J. G. Johnstone, O.B.E., on account of ill health.

Medical Diary

Information to be included in this column should reach us in proper form on Tuesday, and cannot appear if it reaches us later than the first post on Wednesday morning.

SOCIETIES

ROYAL SOCIETY OF MEDICINE, 1, Wimpole-street, W.
MONDAY, April 26th.
Odontology. 8 P.M. Dr. David Stewart and Dr. W. Lewinsky: A Comparative Study of the Innervation of the Periodontal Membrane.
TUESDAY.
Medicine. 5 P.M. (Cases at 4 P.M.) Clinical meeting at London Hospital, E.
FRIDAY.
Anæsthetics. 8.30 P.M. Annual general meeting. Mr. W. H. Ogilvie: Anterior Splanchnic Block. (With film.) Clinical reports of cases will be given by Dr. Ashley Daly, Dr. T. A. B. Harris, Dr. G. H. W. Keats, Dr. W. S. McConnell, Dr. E. H. Rink, Dr. E. S. Rowbotham, and Mr. H. W. S. Wright.

BRITISH PSYCHOLOGICAL SOCIETY.
THURSDAY, April 29th.—8.30 P.M. (London School of Hygiene, Keppel-street, W.C.). Dr. William Brown: Hypnosis, Suggestibility, and Progressive Relaxation. An experimental study.

ST. JOHN'S HOSPITAL DERMATOLOGICAL SOCIETY.
WEDNESDAY, April 28th.—4.30 P.M., clinical cases. 5 P.M., Dr. Godfrey Bamber: The Common Skin Diseases in Children and their Treatment.

BIOCHEMICAL SOCIETY.
SATURDAY, May 1st.—2.45 P.M. (Department of Biochemistry, University of Oxford), B. C. J. G. Knight: The Nutrition of *Staphylococcus aureus*, Vitamin B_1 and Nicotinic Acid. T. F. Macrae and C. E. Edgar: Differentiation of the Vitamin B_1 Complex as it occurs in Yeast. T. F. Macrae and C. E. Edgar: Some Physiological Effects of Lactoflavin. R. A. McCance and M. Masters: The Chemical Composition and the Acid-base Balance of *Archidoris britannica*. W. T. J. Morgan: Some Observations on the Specific Antigen of *B. dysenteriæ* (Shiga). A. A. Levi and E. Boyland: The Production of Dihydroxy 1 : 2 : 5 : 6-dibenzanthracene from 1 : 2 : 5 : 6-dibenzanthracene by Rabbits. M. H. Lee and E. M. Widdowson: A Comparative Investigation of Blood-urea Methods. H. W. Kinnersley and R. A. Peters: Observations upon Vitamin B_1 and Co-carboxylase. R. B. Fisher and A. E. Wilhelmi: A Micro-method for the Estimation of Creatinine. R. B. Fisher and A. E. Wilhelmi: The Synthesis of Creatine in the Isolated Rabbit Heart. R. Deanesly and A. S. Parkes: Influence of Method of Administration on Effectiveness of Gonadal Hormones. R. B. Fisher and F. Langford: A Method for the Detection of Small Amounts of Guanidines. E. Walker: Bacterial Decomposition of Cellulose.

LECTURES, ADDRESSES, DEMONSTRATIONS, &c.

UNIVERSITY OF BIRMINGHAM.
THURSDAY, April 29th.—4 P.M., Prof. J. C. Drummond, D.Sc.: The Chemistry and Physiological Significance of Vitamin A. (William Withering lecture.)

ST. MARY'S HOSPITAL, W.
TUESDAY, April 27th.—5 P.M. (Institute of Pathology), Sir Almroth Wright, F.R.S.: The Manifold Fallacies of the Statistical Method Applied in Clinical Medicine.

BRITISH POSTGRADUATE MEDICAL SCHOOL, Ducane-road, W.
MONDAY, April 26th.—2.30 P.M., Dr. C. W. Buckley: Arthritis.
WEDNESDAY.—Noon, clinical and pathological conference (medical). 2 P.M., Dr. A. A. Miles: Agglutination Tests as Aids to Diagnosis. 3 P.M., clinical and pathological conference (surgical). 4 P.M., Mr. J. E. H. Roberts: Surgery of the Chest. 4.30 P.M., Dr. W. E. Gye: Experimental Cancer Research.
THURSDAY.—2.30 P.M., Dr. Duncan White: Radiological Demonstration. 3.30 P.M., Mr. A. K. Henry: Demonstrations of the Cadaver of Surgical Exposures. 3.30 P.M., Col. L. W. Harrison: Gonorrhœa in Women.
FRIDAY.—2 P.M., operative obstetrics. 3 P.M., clinical and pathological conference (obstetrics and gynæcology).
Daily, 10 A.M. to 4 P.M., medical clinics, surgical clinics and operations, obstetrical and gynæcological clinics and operations, refresher course for general practitioners.

WEST LONDON HOSPITAL POST-GRADUATE COLLEGE, Hammersmith, W.
MONDAY, April 26th.—10 A.M., Dr. Post: X Ray Film Demonstration, skin clinic. 11 A.M., surgical wards. 2 P.M., operations, surgical and gynæcological wards, medical, surgical, and gynæcological clinics. 4.15 P.M., Mr. Arnold Walker: Obstructed Labour.
TUESDAY.—10 A.M., medical wards. 11 A.M., surgical wards. 2 P.M., operations, medical, surgical, and throat clinics. 4.15 P.M., Mr. Woodd Walker: Obstruction of the Colon.
WEDNESDAY.—10 A.M., children's ward and clinic. 11 A.M., medical wards. 2 P.M., gynæcological operations, medical, surgical, and eye clinics.
THURSDAY.—10 A.M., neurological and gynæcological clinics. Noon, fracture clinic. 2 P.M., operations, medical, surgical, genito-urinary, and eye clinics.
FRIDAY.—10 A.M., medical wards, skin clinic. Noon, lecture on treatment. 2 P.M., operations, medical, surgical, and throat clinics. 4.15 P.M., Mr. Grant Batchelor: Lecture.
SATURDAY, May 1st.—10 A.M., children's and surgical clinics. 11 A.M., medical wards.
The lectures at 4.15 P.M. are open to all medical practitioners without fee.

FELLOWSHIP OF MEDICINE AND POST-GRADUATE MEDICAL ASSOCIATION, 1, Wimpole-street, W.
MONDAY, April 26th, to SATURDAY, May 1st.—GORDON HOSPITAL, Vauxhall Bridge-road, S.W. All-day course in proctology.—MAUDSLEY HOSPITAL, Denmark-hill, S.E. Afternoon course in Psychological Medicine.

NATIONAL HOSPITAL FOR DISEASES OF THE HEART, Westmoreland-street, W.
TUESDAY, April 27th.—5.30 P.M., Dr. D. Evan Bedford: Congenital Heart Disease.

HOSPITAL FOR SICK CHILDREN, Great Ormond-street, W.C.
THURSDAY, April 29th.—2 P.M., Dr. Donald Paterson: Enlargement of the Lymph Glands. 3 P.M., Dr. R. T. Brain: Investigation of Skin Diseases in Children.
Out-patient clinics daily at 10 A.M. and ward visits at 2 P.M.

MANCHESTER ROYAL INFIRMARY.
TUESDAY, April 27th.—4.15 P.M., Mr. Geoffrey Jefferson: Surgery of Intracranial Aneurysms.
FRIDAY.—4.15 P.M., Mr. F. G. Wrigley: Demonstration of Ear, Nose, and Throat Cases.

GLASGOW POST-GRADUATE MEDICAL ASSOCIATION.
WEDNESDAY, April 28th.—4.15 P.M. (Western Infirmary), Dr. Hugh Morton: Peptic Ulcer.

Appointments

BENISON, R. L., M.B. Camb., F.R.C.S. Eng., Surgical Registrar at the Royal Northern Hospital, London.
BENTHAM, J. A., M.B. Glasg., D.C.O.G., Senior Assistant to the Medical Superintendent of the Liverpool Sanatorium.
BRODY, M. B., M.B. Sheff., Assistant Resident Physician to Runwell Hospital, Essex.
CROSSLEY, A. J. F., M.B. Manch., Assistant Medical Officer at the Cheshire County Mental Hospital, Parkside.
FORBES, GILBERT, M.B., F.R.F.P.S. Glasg., F.R.C.S. Edin., Police Surgeon for Sheffield.
LEECH-WILKINSON, A., B.M. Oxon., F.R.C.S. Edin., Hon. Assistant Gynæcologist and Obstetrician to the Royal United Hospital, Bath.
MCLACHLAN, A. E. W., M.B. Edin., D.P.H., Medical Officer in charge of the Venereal Diseases Clinic at the General Hospital, Newcastle-upon-Tyne.
MATTHEWS, ERNEST, Ph.D., M.Sc., L.D.S.R.C.S. Eng., Prosthetic Dental Surgeon to the Manchester Royal Infirmary.
PAYNE, R. V., M. Chir. Camb., F.R.C.S. Eng., Hon. Surgeon to the Maidenhead Hospital.
SHELLEY, URSULA, M.D., M.R.C.P. Lond., Hon. Assistant Physician to the Children's Department of the Royal Free Hospital.
SMITH, J. C., M.B. Manch., L.D.S.R.C.S. Eng., Dental Surgeon to the Manchester Royal Infirmary.
STRANG, JEAN, M.B. Glasg., D.O.M.S., Resident Surgical Officer at the Birmingham and Midland Eye Hospital.
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Blackburn Royal Infirmary.—Res. H.S., £175.
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Births, Marriages, and Deaths

BIRTHS

CHILCOTT.—On April 7th, the wife of John C. K. Chilcott, B.M., B.Ch. Oxon., of Warmley, of a son.

CLARKE.—On April 13th, at York, the wife of Major Allwyn Herbert Clarke, M.C., R.A.M.C., of a son.

CUNINGHAM.—On April 10th, the wife of Dr. Ronald Cuningham, of Londonderry, of a son.

HYSLOP.—On April 10th, at a nursing-home, Leeds, the wife of Dr. W. A. Hyslop, of Settle, of a son.

MELLOTTE.—On April 14th, at Bentinck-street, the wife of Dr. James H. Mellotte, of a daughter.

TICKLER.—On April 14th, the wife of Dr. G. M. Tickler, Little Bradley, Thames Ditton, of a daughter.

WALKER.—On April 14th, at Welbeck-street, London, W., the wife of C. G. Walker, M.D. Aberd., of Oxted, of a daughter.

MARRIAGES

MADDOX—GILLESPIE.—On April 10th, at Upton Parish Church, Chester, Denis Maddox to Anne Gillespie, M.B., Ch.B.Edin.

MAYNE—BUTLER.—On April 15th, at St. John the Evangelist's Church, Notting Hill, William John Fitzgerald Mayne, M.D. Edin., D.P.H. Belf., to Rachel Elizabeth Butler, of Wonersh Hollow, Wonersh.

TAYLOR—HALL.—On April 16th, at St. Paul's Church, Grange-over-Sands, Major Ernest Charles Taylor, M.B., B.Chir. Camb., I.M.S. (retd.), to Amy Louise Hall, formerly of Marlborough.

TODD—DEAKIN.—On April 10th, at the College Chapel, Achimota, Gold Coast, Kenneth Waller Todd, M.R.C.S. Eng., to Lucy Olive, only daughter of Charles Deakin and the late Mrs. (Minnie) Deakin, of Shrewsbury.

WARD—TOOTH.—On April 17th, at Holy Trinity Church, Brompton, Frederick Godsalve Ward, B.M., B.Ch. Oxon., to Pamela Ada, only daughter of Mr. and Mrs. E. A. Tooth, of Tilney-street, W.

DEATHS

BATE.—On April 11th, at Goring-on-Thames, John Brabant Bate, M.D. Durh., West African Medical Staff, retired, aged 70.

COLES.—On April 15th, at Oxford, Charles Coles, M.D. Lond., late M.O.H. for Oxfordshire.

DONALD.—On April 17th, at Alderley Edge, Cheshire, Archibald Donald, M.D. Edin., F.R.C.P. Lond., in his 77th year.

FAYRER.—On April 13th, at Gullane, Lt.-Col. Sir Joseph Fayrer, Bart., C.B.E., M.D., F.R.C.S.E., R.A.M.C.

FULLARTON.—On April 17th, at Woodburn, Helensburgh, Robert Speirs Fullarton, M.D. Glasg., D.P.H. Edin. and Glasg., F.R.F.P.S. Glasg., Major, R.A.M.C. (T.), aged 70.

GREEN.—On April 12th, in St. Thomas's Hospital, S.E., Charles David Green, M.D. Lond., F.R.C.S. Eng., of Larrey House, Romford, aged 75 years. Dearly loved and devoted husband, father, and practitioner.

JAMES.—On April 16th, at Morden, Surrey, Alfred Herbert James, M.R.C.S. Eng., late of Crowthorne and Evershot, Dorset.

MARTYN.—On April 15th, Reginald Martyn, L.R.C.P. Lond., of Exmouth, aged 72.

MEADEN.—On April 14th, at Barnstaple, Charles Meaden, M.D. Durh.

O'BRYEN.—On April 16th, as a result of an accident, James Wheeler O'Bryen, L.A.H. Dubl., L.R.C.P. Edin.

SPEAR.—On April 15th, at Merrow, Guildford, John Augustus Spear, M.R.C.S. Eng.

N.B.—A fee of 7s. 6d. is charged for the insertion of Notices of Births, Marriages, and Deaths.

INTERNATIONAL CONGRESS FOR PSYCHOTHERAPEUTICS.—The Danish and Swedish national groups of the International General Medical Association for Psychotherapeutics are arranging for the ninth international congress to be held at Copenhagen from Oct. 2nd to 4th. On the first day the subject for discussion will be psychotherapeutics and general practice, on the second the teachability of psychotherapeutics, while the third day will be reserved for other papers, discussions, and general business. Papers may be read in German, English, or French, and anyone who wishes to read one should notify the president of the association, Prof. C. G. Jung, Küssnacht-Zürich, before June 1st. The congress is open to all medical men; other psychotherapeutists and practical psychologists may also take part at the invitation of the various national groups. Dr. Olaf Brüel, 2, Amagertorv, Copenhagen, is secretary for the Danish group, and Prof. Poul Bjerre, 4, Engelbrektsgatan, Stockholm, for the Swedish group.

NOTES, COMMENTS, AND ABSTRACTS

MEDICINE IN THE PHYSICAL LABORATORY

ONE of the primary concerns of the National Physical Laboratory is to give to industry the scientific help it needs. The annual report for 1936 shows how much of its work has been directed to that end. Many of the investigations, however, are directly related to public health and medicine. One important piece of work has resulted in the unification of X ray and radium dosage measurements; a difficulty of deep radiation therapy has been the correlation of the dosage of these two kinds of radiation. During the year two methods, one using ionisation chambers, the other photography, have been worked out so that radiation from the two sources may be measured in terms of the rontgen, the international unit. Another difficulty, arising from the increasing power of X ray therapy installations, has been the protection of the medical observer from stray radiation. An optical system which was first studied because of its innate interest has been found to provide means of viewing the patient while he is separated from the observer by a thick protective wall.

X rays have been used for studying dental structure. The main crystalline constituent of the enamel proves to be identical with that of dentine, but while the crystallites in the dentine are orientated at random, there is a fibre structure in the enamel. This structure is developed to a greater or less degree in different enamels, a high-quality enamel being associated, generally speaking, with a well-marked fibre structure. It appears that calcification is more conspicuous in the enamel the later the enamel is formed in the life of the tooth.

The attack upon noise has been made on several fronts. Loudness is essentially a subjective characteristic of sound and the measurement of it, except by direct comparison, has been unreliable in the past. An objective meter which gives dial readings corresponding to aural loudness has now been designed and tested at the laboratory. It is free from all suspicion of personal error and bias and has the great advantage that it registers the loudness of intermittent and impulsive noises which are so often the cause for complaint. The meter has been used to measure the noisiness of cars, lorries, buses, and motor bicycles. Measurements have also been made for the Home Office of instruments which might be used as alarm signals in air-raids, and of road drills. The silencing capacity of different kinds of floors and partitions has been measured for the Ministry of Health in connexion with the construction of flats for the working classes.

During the winter 1935–36 observations were made to determine the value of daylight illumination at which clerical workers find it necessary to turn on artificial light. The laboratory, in coöperation with H.M. Office of Works, arranged that seventeen typists in one of the large typing offices in Whitehall should have their lights fitted with a device which, unknown to them, recorded the time at which each light was switched on and the illumination at the working position at the instant of switching on. Although the results showed a considerable spread, on average the light was turned on when the daylight had fallen to a value of about 5 foot-candles. Another instrument for measuring daylight has been devised for use more particularly in deep rooms or rooms badly provided with daylight; it should be of service to public health departments having slum-clearance schemes. The researches on illumination problems have also been directed to the subject of glare.

The report mentions that the laboratory maintains equipment for testing the distribution of radiation in limited spectral regions from sources such as those much used in therapy recently. On the other hand, many glasses have been examined for the protection they afford to radiation of different parts of the spectrum. Most of those against ultraviolet light were found to be satisfactory, but most of those designed to satisfy the conditions laid down for infra-red radiation failed by a large margin. It is therefore probable that large numbers of industrial workers are deriving from their protective goggles much less protection than is believed desirable and less than is certainly obtainable without any sacrifice in the visibility of the work.

Among the routine undertakings of the laboratory are the assaying of radium and the testing of clinical thermometers; the latter must now be of a certain thickness, have durable pigment on the scale, and have other fixed characteristics if they are to conform to the British standard specification and to receive the "Kew" certificate.

CONVALESCENT HOMES FOR CHILDREN WITH RHEUMATIC CARDITIS

THE value of convalescent establishments for children suffering from rheumatic carditis has been much debated. It is pleasant to learn therefore, from the annual report for 1936 of the Children's Heart Home, Lancing, Sussex, that the results of treatment at this home have been good. Two members of the honorary staff of the Hospital for Sick Children, Great Ormond-street, are consulting physicians to the home at Lancing, which accommodates 70 children and provides them with education satisfying the Board of Education. The average length of stay of each child in 1936 was 100 days (a period considerably shorter than that reported from Birmingham and Broadstairs 10 years ago); the preponderance of girls over boys was 140 to 111, and the ages of the children received between 5 and 12. Otherwise the report includes no clinical details. During the last 10 years so many new beds have been set aside for the treatment of rheumatic disease in childhood, that it is clear that sufficient material must have accumulated for the publication of the results of treatment, and, even more important, of treatment plus after-care and of re-examination of children returned to their homes. Ten years ago, relapse after return home in some form (rheumatism, carditis, or chorea) occurred in about one-third of the children re-examined, and it is of cardinal importance to know whether these figures have improved. The cases under treatment at West Wycombe, Lancing, and in even greater numbers at Carshalton and Brentwood under the L.C.C. should by this time be adequate to furnish the basis of a comprehensive report which would be welcomed by all interested in the problem presented by rheumatic carditis.

BOARD OF CONTROL.—The Board of Control, with the approval of the Minister of Health, have appointed a committee to advise upon questions arising in connexion with scientific and ancillary mental health services which will include the following: Lord Radnor (chairman), Sir Laurence Brock, Sir Hubert Bond, Dr. A. A. W. Petrie, Dr. Adeline Roberts, Dr. C. J. Thomas, and Dr. George Somerville. Mr. H. J. Clarke will act as secretary. The Mental Treatment Act, 1930, empowered local authorities to provide for out-patient treatment and for the after-care of mental patients, and, subject to the approval of the Board, to undertake, or contribute towards the expenses of, research in relation to mental illness. An advisory committee was appointed in 1931 but owing to the financial crisis its work remained in abeyance. The primary function of the new committee will be to advise the Board on the organisation and encouragement of research, and other ancillary services will be within its purview. On technical questions relating to research, the committee will have the expert assistance of members of the committee on mental disorders of the Medical Research Council.

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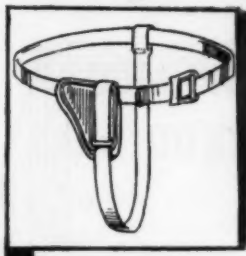

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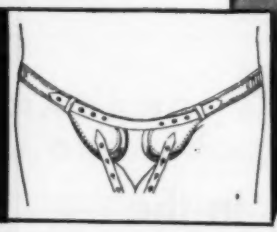

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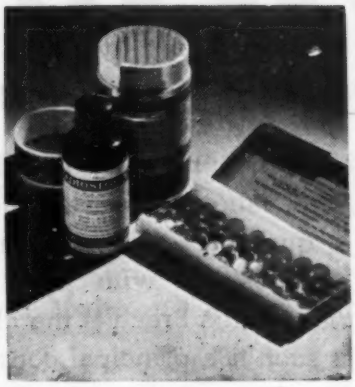

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30th November 1936—Catheter specimen of urine showed:
Albumen—very faint trace
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Culture sterile

Patient was then put on a course of Mandelix treatment

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References:

"The Medical Review," Vol. VI., No. 1.
"The Lancet," No. 3923, Vol. CLV.
"The Edinburgh Medical Journal," No. 567, Vol. LIV.
"The Lancet," No. 4143, Vol. CLXIV.

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PLUS

EVACUATION

Kaylene-ol is indicated in the treatment of Intestinal Toxæmia and Stasis, Chronic Colitis, dietary indiscretions and in all conditions due to toxic absorption from the bowel.

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EXTREME palatability and lively stimulation of the gastric juices make Brand's Essence a reliable restorer of food tolerance and digestive harmony—even when appetite is weakest. At no stage is the process of digestion retarded by precipitated solids, and the protein content of the Essence is always capable of absorbing free acid to an extent which prohibits any excess.

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is never contra-indicated

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In Nervous States

A STUDY of the manifestations of nervous disorders, such as neurasthenia, hysteria and the various types of neurosis, shows that there is frequently an associated impairment of the general nutrition of the patient. Conversely, it is found in practice that measures taken to improve the nutrition of the patient are generally followed by a definite amelioration of the nervous state.

'Ovaltine,' in addition to its well-known high nutritive value, exerts a distinct sedative effect on the nervous sytem, which renders its use of special benefit in the treatment of functional nervous states. Where insomnia is an additional feature, its use before retiring is conducive to restful sleep.

'Ovaltine' is a natural food tonic prepared from full-cream milk, new-laid eggs and malt extract. It is rich in the Vitamins A, B (complex) and D and in readily assimilable calcium, phosphorus and iron. Its carbohydrate content is chiefly in the form of quickly-available maltose.

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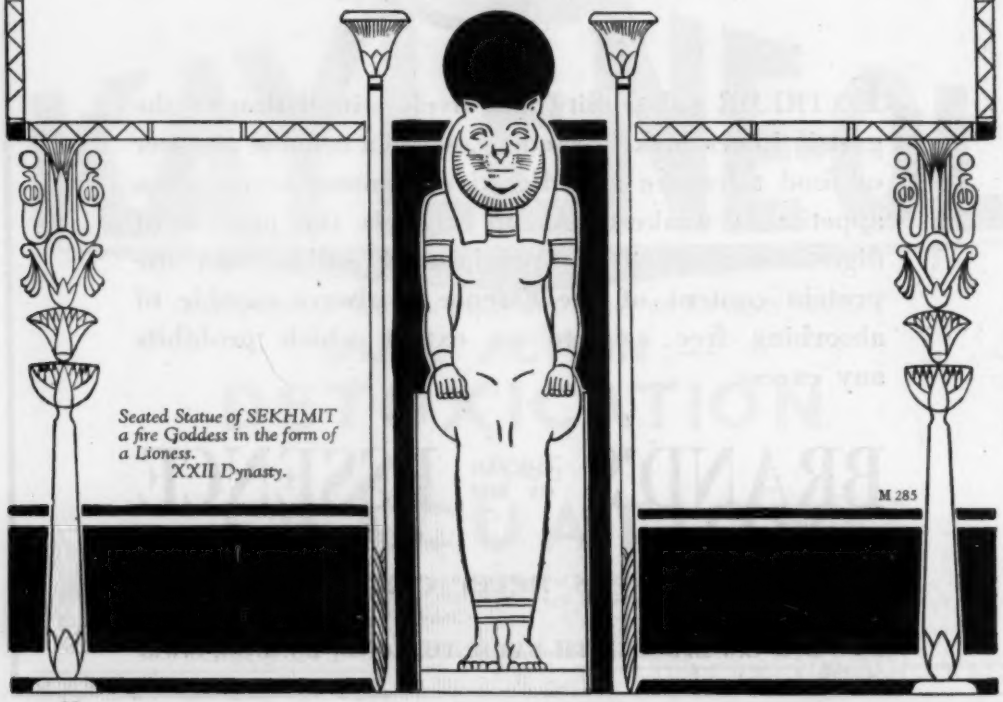

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Packed in Boxes of 30 Dragees

antiphlogistic disinfectant
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BROSEDAN is a fluid brom-yeast preparation, possessing an agreeable flavour and a high proportion of the YEAST VITAMINS. Thanks to the yeast-component BROSEDAN does not give rise to bromide-acne.
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The high mineral value of COCOA is being increasingly appreciated. It is now known to be one of the most useful dietetic sources of iron — by far the richest among foodstuffs in common use.

The table of comparisons set alongside will be of interest, therefore — and possibly of assistance — to general practitioners whose ordinary dietetic recommendations have so often to be directed towards preventing and combating specific mineral deficiencies. It will be noted that whether 'total iron' or 'ionisable iron' is to be taken as the probable measure of *available iron* (the point still seems in doubt) COCOA exceeds all the previously accepted sources except one.

FOOD	TOTAL IRON m.g. 100 g.	IONISABLE IRON m.g. 100 g.
Apples	0.23	0.19
Potatoes	0.62	0.58
White bread	1.07	0.93
Digestive biscuits	1.57	1.43
Raw eggs	2.50	2.50
Brazils	2.70	1.65
Wholemeal bread	3.43	2.85
Raw beef	3.54	0.39
Raisins	3.80	3.68
Almonds	4.54	4.50
Raw ox liver	6.70	5.22
COCOA	**14.20**	**13.20**
Raw pig's liver	20.00	16.00

See *Biochemical Journal*, xxx, 4, 582-91

Cadburys

BOURNVILLE COCOA

RECOGNISED BY ALL FOOD AUTHORITIES AS COCOA AT ITS BEST

—even the eyes reveal it

It is a matter of common observation among physicians that constipated persons complain of their eyes becoming quickly fatigued. It is this fatigue, probably caused by impaired power of accommodation due to premature hardening of the lens, that imparts to the expression an appearance of weariness and to the eyes a reflection of age beyond their years.

The remedy quickly suggests itself: systematic and thorough intestinal evacuation.

In overcoming constipation and re-establishing normal bowel function, AGAROL has proved exceptionally successful. It mixes thoroughly with the bowel contents, softening and lubricating the fæcal mass and making its evacuation easy and painless. Phenolphthalein furnishes the gentle impulse that stimulates the peristaltic wave to increased activity.

Satisfactory elimination is ensured, and, as a result of the continued effect of AGAROL, regular evacuation follows naturally without the aid of further medication.

A supply for clinical trial will be gladly sent on request to Members of the Medical Profession.

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VITAMIN B_1 : 5,700

While Bemax is the standard Vitamin B_1 supplement for the ordinary diet, Vitamin B_1 (**Bekailin** Brand) is indicated whenever the desired dose of the Vitamin is higher than can conveniently be administered in a natural food. For example, the neuritis of pregnancy has been relieved by Vitamin B_1 (**Bekailin** Brand) in doses of 1,500-2,250 units daily (*Lancet*, April 11, 1936, p. 835). For such massive doses a concentrate must be used. Vitamin B_1 (**Bekailin** Brand) is an active adsorbate which is biologically assayed and standardized to contain 200 units per gram (5,700 per oz.). Prepared in the form of 0.5 gram tablets, it is convenient for oral administration. Recommended in ARTHRITIS, NEURITIS, ULCERATIVE COLITIS, AND DIABETES.

Vitamin B_1 (**Bekailin** Brand) is a reliable preparation of high potency at a moderate cost.

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(BEKAILIN BRAND)

PROFESSIONAL PRICE: 8/- for 100 tablets

[100 International Units per tablet]

Obtainable from THE BEMAX LABORATORIES (address below)

B_1 : 400

No one would think of prescribing, for example, insulin of unknown potency or non-standardized Vitamin A or D preparations. Why then prescribe non-standardized Vitamin B_1 preparations? Not only is Bemax standardized at 400 International Units per ounce, but it is also stable over a period of years, *i.e.*, its potency does not deteriorate with age. Such statements cannot be made in respect of any other natural source of Vitamin B.

Providing as it does the unique combination of a *natural* yet *standardized* source of Vitamin B_1, Bemax is used as a routine in PREGNANCY, LACTATION, DEBILITATED STATES IN CHILDREN, DIGESTIVE DISTURBANCES and CONSTIPATION. Vitamin B therapy in the form of Wheat Germ (of which Bemax is a stabilized and standardized preparation) is recommended by the Committee of the British Medical Association for FIBROSITIS and ARTHRITIS.

In addition to its high Vitamin assay, Bemax is a unique source of accessory nutritive factors for the optimum protective diet. (See table below.)

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Vitamin B_1—400 International Units per ounce.

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Phosphorus—330 mg. per ounce.

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Copper—0.45 mg. per ounce.

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Wheat Germ Oil

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with a positive pharmacologic action on the energy liberating mechanism of the body.

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An elegant preparation of Ammonium Mandelate in the form of a sweetened, orange-flavoured syrup.

Two fluid drachms contains three grammes of Mandelic Acid as the Ammonium salt. An efficient treatment for cases of Urinary Infection. No Ammonium Chloride or other additional drug is necessary in normal cases. May be given at all ages.

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Therapeutically equivalent to several times its weight of Sodium Salicylate without causing headache, tinnitus, &c. Has proved most useful in the external treatment of pure Rheumatism, Sciatica, Lumbago, &c. The external dose is about one drachm rubbed over the affected parts.

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Dose : 1 to 2 drachms diluted.
In 22, 40, and 90 oz. Bottles only.

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As an analgesic and for reducing the temperature in *Influenza* Calcium Aspirin (Genasprin Brand) is free from all the side actions associated with aspirin. Its neutrality and stability ensure freedom from gastric irritation, acidosis or demineralisation. It has no irritant effect on the mucous membrane of the mouth, stomach or bowel. The low toxicity permits large dosage and safe administration to children.

We are now able to offer this product in tablet form with the additional advantages of convenience and exact dosage.

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12 tubes in carton :	12 x 20 tablets	6/6
24 ,, ,,	24 x 20 ,,	12/6

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NEOARSPHENAMINE B.P.

Novostab possesses high therapeutic activity combined with low toxicity. It may be administered either in aqueous solution or dissolved in Thiostab (sterile sodium thiosulphate solution).

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In every way Colliron is an ideal form of iron. It is readily assimilated and is therefore prompt in its tonic action in debility and fatigue. It is non-constipating and almost free from ferruginous taste.

Being highly concentrated a small dosage suffices for average conditions.

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5 minims of Colliron contains the same amount of iron as a Blaud's Pill

Adults : 20 minims three times daily after meals, or for intensive treatment, one teaspoonful once or twice daily, increasing to one tablespoonful two or three times daily.

Children: 5 to 10 minims three times daily after meals, or for intensive treatment, 15 to 30 minims once or twice daily, increasing to one dessertspoonful two or three times daily.

Colliron is issued in:

4 fld. oz. bottles	3/-	80 fld. oz. bottles (Hospital size)	40/-
8 " " "	5/-		
16 " " "	9/6		

OBTAINABLE AT THE PHARMACIES

A Product of Evans' Biological Institute

Evans Sons Lescher & Webb Ltd.

Liverpool and London

A Specific in Anemias

TRADE MARK **'LEXTRON'** BRAND

LIVER-STOMACH CONCENTRATE WITH IRON & VITAMIN B

★ 'Lextron' combines in convenient form, liver-stomach concentrate, iron, and vitamin B. It can be used to stimulate both erythrocyte and hemoglobin formation. In cases in which the administration of liver extract or iron alone has failed to benefit, 'Lextron' is recommended. Administered in capsules by mouth. Supplied in packages of 42, 84 and 500 filled capsules.

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A Palatable Vitamin B Reconstructive Tonic

METATONE is a general tonic particularly suitable for use in the treatment of general debility, during convalescence after influenza and other exhausting diseases, after surgical operations, and during pregnancy and the period of lactation. It may confidently be prescribed for its reconstructive, restorative and tonic properties.

Metatone is an agreeable fluid combination of vitamin B, nucleinic acid and glycerophosphates, containing in each fluid ounce :—

Vitamin B Extract : :	10 *grains*
Nucleinic Acid : : :	2 ,,
Calcium Glycerophosphate :	4 ,,
Potassium Glycerophosphate	4 ,,
Manganese Glycerophosphate	1/2 *grain*
Sodium Glycerophosphate :	2 *grains*
Strychnine Glycerophosphate	1/25 *grain*

The adult dose of Metatone is one to two teaspoonfuls, three or four times daily, usually after meals.

Supplied in bottles of 8, 16 *and* 80 *fluid ounces.*

Parke, Davis & Co., 50 Beak Street, London, W.1

Laboratories: Hounslow, Middlesex. Inc U.S.A., Liability Ltd.

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Staphylococcus aureus is responsible for a great variety of inflammatory conditions that are frequently met with in medical practice.

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Full details regarding the mode of administration and the scale of doses employed are enclosed in each package, and may also be obtained from the

Sole Distributors for the Lister Institute:

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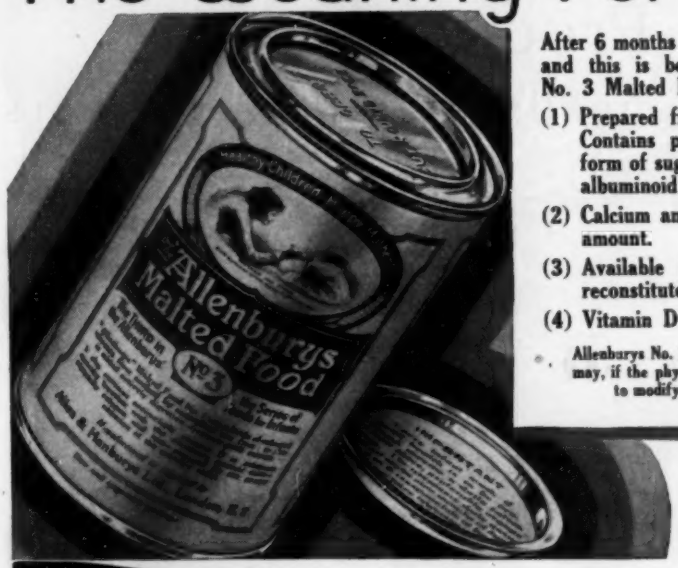
The Weaning Period —



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1. Its effect is almost certain.
2. It produces anæsthesia or hypo-anæsthesia for periods varying from 7 to 28 days or longer.
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4. It is comparatively non-toxic, injection of 20 to 30 c.cm. producing no general effect.
5. Even large quantities of it at one sitting have not been found to produce any local reaction if injected properly.
6. Its injection is painless if made slowly.
7. In no case did it produce severe after-pain.

[1] *British Medical Journal*, 1935, November 16th, p. 938.

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5 c.cm., „ „ 6, 8/6
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These products are of the original formula introduced by Burroughs Wellcome & Co. when thyroid therapy was first employed. Their therapeutic value is firmly established. Strength given in terms of fresh gland substance.

Bottles containing 100 *products*

Gr. 1/10, gr. 1/4 and gr. 1/2, at **1/-**; gr. 1, at **1/2**; gr. 1-1/2, at **1/6**; gr. 2, at **1/8**; gr. 2-1/2, at **2/-**; gr. 5, at **3/6**

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Decline and Fall of the Undescended Testis

Lancet p. 999, May 2, 1936. A Report on 25 treated cases:

GROUP	TYPE	CASES	RESULT
I Adherent Normal Testis Normal Child	Unilateral - -	5	Failed
II Subnormal Testis Subnormal Child	Bilateral - -	6	Cured
	Bilateral c̄ hypospadias - -	2	
	Unilateral - -	3	
III Subnormal Testis Normal Child	Unilateral - -	3	Cured
	Bilateral - -	3	Improved

Practitioner 867-868, November, 1936

"Treatment is undertaken in order to safeguard the gland from the trauma to which it is inevitably exposed, and also to encourage its development by placing it in the only situation in which maturity can be reached.

"Intramuscular injections in doses of 500 rat units are given. . . A large number of successes is obtained, especially when the general development of the testis is definitely below normal."

No contra-indications

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One teaspoonful of Haliborange is equivalent in vitamins A and D to one teaspoonful of cod-liver oil, and in vitamin C to two teaspoonfuls of fresh orange juice.

Haliborange is an excellent addition to the diet of babies as a precaution against rickets and scurvy. For older children, adolescents, or adults, it is a prophylactic vitamin tonic.

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In 5, 10 and 40 oz. bottles.

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LONDON, E.2

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[*See also pp.* 36 & 37]

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2 oz.	"	1½	"	"
3 oz.	"	1	"	"
4 oz.	"	1	"	"
6 oz.	"	6 dozen	"	"
8 oz.	"	6	"	"
10 oz.	"	4	"	"
12 oz.	"	4	"	"
16 oz.	"	4	"	"
20 oz.	"	3	"	"

The U.G.B. Washed and Sterilized Dispensing Bottle Service has stood the test of years and still remains the best value and most labour saving for dispensers.

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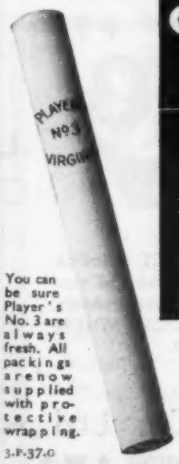

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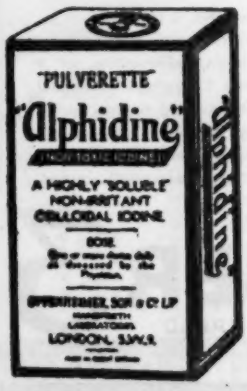

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PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

HAYDOCK LODGE,
NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

NORTHUMBERLAND HOUSE

GREEN LANES.

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

THE ROYAL EARLSWOOD INSTITUTION FOR MENTAL DEFECTIVES

Patron: H.M. THE KING.

REDHILL, SURREY. *(Formerly the EARLSWOOD ASYLUM)*

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations. **SCHOOLS, FARMING, and various TRADE WORKSHOPS.**

Inclusive fees from £110 p.a. **THOSE UNABLE TO PAY** admitted by votes of subscribers, with part-payment toward cost.

RECREATIONS: ALL outdoor games, EXCELLENT BAND by Male Staff, for Concerts, Dancing, &c.

Apply, THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.

Telephone: Redhill 344. Telephone: City 4697.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 2101

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT *Telephone: Gatley* 2231 (3 lines).

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: DR. H. O. BLANFORD, to whom application for admission can be made.

CHISWICK HOUSE, PINNER, MIDDLESEX.

Telephone: Pinner 234.

A PRIVATE HOSPITAL FOR THE TREATMENT AND CARE OF MENTAL AND NERVOUS ILLNESSES IN BOTH SEXES.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings.

Fees from 10 guineas per week inclusive.

Cases under certificate, Voluntary and "Temporary" Patients received for treatment. DOUGLAS MACAULAY, M.D., D.P.M.

EPPING HOUSE

LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Squash racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 12. *Apply*, J. C. BAKER, M.B.

ASHWOOD HOUSE

KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.

Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

Chairman: Brig.-Gen. G. Kyffin-Taylor, C.B.E., V.D., D.L.

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

For further particulars apply:

C. EDGAR GRISEWOOD, Sec., 20, Exchange St. East, Liverpool.

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary Patients are also received for treatment. For further particulars apply to the Medical Superintendent.

LITTLETON HALL, BRENTWOOD, ESSEX

(18 MILES FROM LONDON.)

400 feet above sea.

HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool st. 26min. Stations Brentwood, Shenfield, one mile. Boarders received. Apply Dr. Haynes Telephone and Telegrams: Haynes Brentwood 45.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.

Tel.: Clissold 1648.

HILL END HOSPITAL

FOR MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary, or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

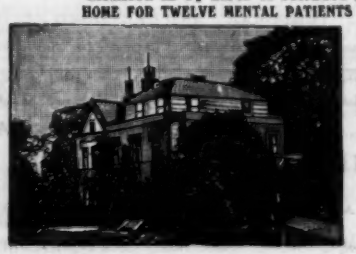
Telephone: 64117 Nottingham.

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).



Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES

THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

RENDLESHAM HALL

(Postal Address), WOODBRIDGE, SUFFOLK

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

THE RESIDENT MEDICAL SUPERINTENDENT

Telegrams and Telephone: WICKHAM MARKET 16. (Toll Call from London.)

Proprietors: THE NORWOOD SANATORIUM, LIMITED.

RUTHIN CASTLE, NORTH WALES

The fees are from 15 guineas a week.

They include medical attendance, all scientific investigations that may be needed, such as analyses, bacteriological cultures, the ordinary X-ray examinations, and electrocardiograph readings: all treatment that may be prescribed such as special diets, insulin, artificial sunlight, electrical treatment, baths, massage, nursing; medicines or vaccines, board and lodging.

The only extra charge is that for a complete alimentary X-ray examination, or for X-ray therapy.

All the usual forms of treatment are given at Ruthin Castle. The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales. *Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON,
M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS,
M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY,
M.D. (Cantab.).

For all information apply:
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

BETHLEM ROYAL HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS

Monks Orchard, Monks Orchard Road, Eden Park, Beckenham, Kent.

Reg. Tel. Address: BETHLEM, BECKENHAM. *Telephone:* SPRINGPARK 1180-1181.

Station: EDEN PARK (Southern Railway)

President: VISCOUNT WAKEFIELD OF HYTHE, G.C.V.O. *Treasurer:* Sir LIONEL FAUDEL-PHILLIPS, Bart.
Physician-Superintendent: J. G. PORTER-PHILLIPS, M.D., F.R.C.P.

This Registered Hospital is now situated at Monks Orchard, in some 250 acres of park, pleasure and farm grounds. Applications can be considered on behalf of patients of the educated classes in a presumably curable condition.

With a view to early treatment, voluntary or uncertified patients are admitted.

Patients who can contribute 5 guineas weekly towards the cost of treatment and maintenance may be received as vacancies arise. The Committee will also consider applications for admission at lower rates and in certain cases will be prepared to admit patients free of charge.

Every facility for specialised investigation and treatment is provided in the Lord Wakefield Science and Treatment Unit. In this Unit is found the X-ray and Dental Departments, and the Bio-Chemical, Pathological, and Psychological Laboratories.

Furthermore, provision is made for Electro-Therapy and Hydro-Therapy to be carried out in all their forms, and occupational therapy under competent instruction is encouraged.

In addition to the Resident Medical Staff, Consultants in special branches of Medicine and Surgery are available whenever required.

The comfort of sensitive patients is greatly enhanced by the fact that the majority are given single bedrooms.

For forms and further particulars apply to the Physician-Superintendent at the Hospital.

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.

Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.

For particulars as to terms, &c., apply to ARTHUR TOWNSEND, M.D., Medical Superintendent.

Telephone: No. 6207 Barnwood.

MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind

Terms moderate: Apply to Resident Medical Superintendent.
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING.

Most wonderful family Hydro in Europe. A self-contained Resort for conferences. Right on the edge of the sea at the best end of Blackpool. 60 acres of links. Room for 800. 2 Ballrooms. Cinema. 23 Tennis Courts. Bowls. Gym. Billiards. Covered warm Swimming Bath. Sun-ray, Tonic, and Medicinal Baths. Tariff and Terms from J. H. Shorrocks.
NORBRECK HYDRO, BLACKPOOL

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

KINGSDOWN HOUSE

BOX, near BATH

Telephone: No. 2, BOX

For the treatment of Mental and Nervous Disorders of the Female Sex

The house stands 450 feet above sea level, and commands extensive views of the surrounding country.

There is an 18 hole Golf Course close to the house.

Applications should be sent to Dr. MacBRYAN, formerly of the London County Mental Hospital Service.

Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARDINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 12s. to 18s. per day, inclusive of board.**

Illustrated Prospectus C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

THE MARINE SPA

(under the direction of the Corporation)

TORQUAY

Newly-fitted Balneological and Electro-Medical and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions.

Large Cooling Lounge, and "Vita" Glass Sun Lounge.

Warm Sea-Water Swimming Bath with modern filtration plant.

Assistants with C.S.M.M.G., and Bio-Physical qualifications.

H. Berkeley Hollyer, General Manager.
(late Manager, Brine Baths, Droitwich)

The Hot Springs of BATH

ANNOUNCEMENT No. 1

The primary object of Spa Treatment, as carried out at BATH, is the restoration, so far as possible, of normal physiological functions, together with the relief of pain and other disabilities associated with rheumatic and other diseases.

Physiological effects of the BATH treatment.

1. Reactivation of cutaneous responses to heat and cold, thereby improving general and peripheral circulation.
2. Removal of toxins and fatigue products from the organs, muscles, and subcutaneous tissues by a more free and active circulation of blood.
3. By improving the adaptability and elasticity of the peripheral circulation to adjust the load on the heart and improve the functional efficiency of the cardiac muscle and cardio-vascular system generally.
4. Improvement of general nervous "tone" by increasing the delicacy of skin reactions to external stimuli.
5. Increase of elimination.
6. Increase of general metabolic activity by improving the blood supply and nervous reactions of the tissues and organs generally, coincident with more rapid removal of waste products.
7. Relief of pain and stiffness together with increase in the range of mobility of affected joints and muscles.

The new standardized BATH tariff.

Any form of treatment, 6s.

During certain hours, any form of mineral water treatment, 4s.

The inclusive Bath Cure Ticket 3, or 4, weeks' Treatment, 4½ guineas

(During December and January and June, July and August the Cure Ticket is 3 guineas.)

At BATH there are hotels to meet all requirements. Detailed list on request. By G.W.R. Bath is 102 minutes from London. From the Provinces Bath is served by LMS & G.W.R. Monthly return tickets, per mile, 3rd class 1d.; 1st class 1½d.

NEXT WEEK. ANNOUNCEMENT No. 2
(In the new Supplement)

The Spa Director will be pleased to answer inquiries for further information.
Address—SPA DIRECTOR, THE PUMP ROOM, BATH.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2328.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

For Mental Cases with or without Certificates.

Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission, &c., apply to the Resident Physician. CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to be attached to the Radium Department. Candidates must be registered Medical Practitioners. Facilities afforded for Post-graduate Study. The appointment is for six months Salary at the rate of £100 per annum, together with board, residence, and laundry.

Applications to be made on a form, which will be supplied by the Secretary, with copies only of not more than three recent testimonials, to be sent to the Secretary not later than the first post Friday, March 12th.

CLEMENT COBBOLD, Secretary.

British Postgraduate Medical School.

Applications are invited from fully qualified Medical Practitioners for the post of CASUALTY OFFICER, to commence duty on 1st April.

The appointments are for six months and non-resident. Salary is at the rate of £150 per annum, and the posts are specially suited to candidates studying for higher qualifications.

Applications should be submitted not later than 15th March, and should be addressed to the Dean, British Postgraduate Medical School, Ducane-road, W.12.

Saint Mary's Hospital for Women and

CHILDREN, Plaistow, E.13.

Applications are invited for an HONORARY ASSISTANT GYNÆCOLOGIST (In and Out Patients). Candidates must be Fellows of a Royal College of Surgeons.

The Hospital is close to Plaistow Station, thirty minutes from Charing Cross (Underground).

Applications, with copies of three recent testimonials, to be sent on or before March 11th to the undersigned.

A. ERNEST WILKES, Secretary.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions:—

ASSISTANT MEDICAL OFFICERS (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions). Candidates must have held a resident appointment in a general hospital for at least six months. The duties at each hospital are mainly medical.

FULHAM HOSPITAL, St. Dunstan's-road, Hammersmith, W.6.

HACKNEY HOSPITAL, High-street, Homerton, E.9.—Experience in Anæsthetics and Antenatal work.

*HIGHGATE HOSPITAL, Dartmouth Park Hill, N.19.—Position at present non-resident. Non-residential allowance of £120.

*NEW END HOSPITAL, Hampstead, N.W.3.

ST. CHARLES' HOSPITAL, St. Charles'-square, Ladbroke-grove, W.10.

*ST. CLEMENT'S HOSPITAL, 2A, Bow-road, E.3.

ST. OLAVE'S HOSPITAL, Lower-road, Rotherhithe, S.E.16. *No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 15th March.

Canvassing disqualifies.

London County Council.

TEMPORARY DISTRICT MEDICAL OFFICER required for Area V, District B (City of Westminster).—Provisional salary £150.

Person engaged required to carry out duties prescribed by Public Assistance Order, 1930, and to reside in or near district. Engagement until 31st March, 1938, in the first instance. Remuneration and conditions subject to review.

Application form obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2B), County Hall, S.E.1, returnable by 15th March. Canvassing disqualifies.

St. John's Hospital, Lewisham, S.E.13.

There is an immediate vacancy for the office of HONORARY ASSISTANT SURGEON. The successful candidate will be required to take one out-patient clinic weekly, and will have charge of four beds in the hospital.

Candidates, who should be F.R.C.S. (England), or hold an equivalent English University degree, should send their applications, with copies of not more than three recent testimonials, to the undersigned not later than March 8th. The Selection Committee will sit on Tuesday, March 16th.

J. C. GILBERT, Secretary-Superintendent.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON, to commence duties on the 1st April, 1937.

Salary at the rate of £100 per annum.

The appointment is for six months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Friday, 12th March, 1937. CLEMENT COBBOLD, Secretary.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the following appointment:—

HONORARY PSYCHIATRIST to the Out-patient Department.

Applicants must be Members of the Royal College of Physicians. Applications, with fifteen copies of three testimonials, to reach the undersigned on or before 22nd March, 1937.

JEAN R. MURRAY, Secretary.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE PHYSICIAN and a RESIDENT HOUSE SURGEON (Male) are required. Duties to commence on the 18th April, 1937.

The appointments are tenable for six months. Salaries at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 22nd March, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 7th April, 1937.

Further particulars and forms of application are obtainable from the undersigned.

February, 1937. HERBERT F. RUTHERFORD, Secretary.

St. Peter's Hospital for Stone, etc.,

Henrietta-street, Covent Garden, W.C.2.

The Office of HOUSE SURGEON will fall vacant on 1st April, 1937, and applications are invited from Male candidates with previous experience in a similar office at a General Hospital. The salary offered is at the rate of £75 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office, and subject to the recommendation of the Medical Committee, the House Surgeon is appointed Resident Surgical Officer for a further similar period. Candidates should therefore be prepared, if successful, to remain at the Hospital for twelve months in all.

Applications, accompanied by copies of testimonials, should be forwarded to reach the undersigned not later than the first post on Tuesday, 9th March, 1937.

BEECHEY ROGERS, Secretary.

Royal National Orthopædic Hospital.

Applications are invited for the posts of HOUSE SURGEONS (Two Male, unmarried) for a period of six months commencing April 1st, renewable for a further period of six months on the recommendation of the Medical Board. £150 per annum, with full board, quarters, and laundry. Applicants should be registered Medical Practitioners.

Applications, with copies of testimonials, should be sent to the House Governor, 234, Great Portland-street, W.1, not later than March 10th.

South London Hospital for Women,

Clapham Common, S.W.4.

Applications are invited from fully qualified Medical Women as SENIOR CLINICAL ASSISTANT for Medical Out-patients, to attend on Friday afternoons.

Applications, with testimonials, to be sent to the Secretary at the Hospital.

University of London.

The Senate invite applications for the S.A. COURTAULD CHAIR OF ANATOMY tenable at the Middlesex Hospital Medical School. Salary not less than £1,000 a year.

Applications (twelve copies) must be received not later than first post on 23rd April, 1937, by the Academic Registrar, University of London, W.C.1, from whom further particulars should be obtained.

Westminster Hospital,

Broad Sanctuary, S.W.1.

There is a vacancy for an ASSISTANT MEDICAL REGISTRAR, for six months' duty in the first instance, commencing 1st April, 1937. Salary £100 per annum; non-resident.

Candidates must be registered Medical Practitioners and have held a previous resident appointment in a General Hospital. Seven copies of applications, together with seven copies each of three testimonials, should be sent to the undersigned not later than Friday, 26th March, 1937.

CHARLES M. POWER, Secretary.

London Hospital, E.1.

There is a vacancy for the post of FIRST ASSISTANT and REGISTRAR to the Neuro-Surgical Department.

Candidates must be fully qualified medically.

Applications should be made to the House Governor, and should arrive not later than Saturday, May 1st.

ARTHUR G. ELLIOTT, House Governor.

Evelina Hospital for Sick Children,

Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, not later than first post on Thursday, 18th March.

W. H. SIDNELL, House Governor.

Acton Hospital, W.3.

CASUALTY OFFICER (Male), unmarried, required to commence duties April 1st, 1937, for a three months' appointment with promotion to Resident Medical Officer for similar period if approved. Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, nationality, and qualifications, should be sent with copies of three testimonials to the Secretary, and should arrive not later than March 15th.

DONALD C. D. SWORD, Secretary.

Acton Hospital, Gunnersbury-lane, W.3.

The Nelson Hospital, Merton, S.W.20.

(86 Beds.)

RESIDENT HOUSE SURGEON (Male, unmarried) required on 1st April, 1937, for duties in connexion with Maternity and Women's Wards—share casualty work.

Appointment for six months in first instance. Salary at rate of £100 per annum, plus usual allowances and fees earned.

Candidates must be British by nationality and birth.

Applications, with copies of recent testimonials, should be sent to the Secretary not later than 24th March, 1937.

The Jessop Hospital for Women,

SHEFFIELD.

The Board of Management invite applications for the post of HOUSE SURGEON (Male), unmarried, for a period of six months, commencing 1st March, 1937.

Salary £100 per annum, together with board, residence, and laundry.

Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

St. Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH ST. WEST HOSPITAL (Maternity); and two for the WHITWORTH PARK HOSPITAL (one for the Gynæcological Dept. and one for the Children's Dept.), each for a period of six months from May 1st next. Salaries at the rate of £50 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned on or before March 11th.

R. RATCLIFFE, Secretary.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

It is anticipated that not less than 30 vacancies for **MEDICAL OFFICERS** will occur in 1937. The majority of these will occur in **TROPICAL AFRICA** and in **MALAYA.**

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1120.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W. 1.

Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of SURGICAL REGISTRAR. The appointment is for one year from 1st May, 1937, with eligibility for re-election. Honorarium £300 per annum, with luncheon and tea provided.

Applications, with copies of testimonials, should be sent by March 12th to the undersigned, from whom forms of application and rules may be obtained. GILBERT G. PANTER, Secretary.

Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of CONSULTING PHYSICIST.

Full particulars of the office may be obtained from the undersigned, to whom applications should be sent by March 12th.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the following appointment:—

HOUSE SURGEON, vacant on April 15th. The appointment is for nine months (six months as House Surgeon and three months as Casualty Officer). Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by March 12th to the undersigned, from whom forms of application and rules can be obtained. GILBERT G. PANTER, Secretary.

The Princess Elizabeth of York
HOSPITAL FOR CHILDREN, Shadwell, London, E.1.
(Formerly East London Hospital for Children.)
(135 Beds.)

A HOUSE PHYSICIAN is required on April 1st by the above Hospital. Candidates are invited to send in their applications, addressed to the Secretary, by noon on Monday, March 8th, at the latest, accompanied by copies of not more than three recent testimonials and particulars of previous appointments, if any.

The appointment is for six months.

Salary at the rate of £125 per annum, with board, residence, and laundry. Candidates must possess a legal qualification to practise. Forms of application and copies of the rules can be obtained from the Secretary-Superintendent.

West London Hospital,
Hammersmith, W.6. (241 Beds.)

Required One HOUSE PHYSICIAN, One HOUSE SURGEON and One HOUSE SURGEON (with Throat, Nose, and Ear duties). The duties of the House Physician include some work in the Children's Department, one House Surgeon will have some work in the Genito-Urinary Department, and the House Surgeon (with T.N. and E. duties) will also act as Resident Casualty Officer. These three appointments (Males) are tenable for six months from April 1st next subject to one month's notice on either side. Salary at the rate of £100 per annum, with board, lodgings, and laundry allowance. Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms obtained from me) must reach me not later than first post on Thursday, March 11th. Selected candidates will be required to call upon such members of the Medical Staff as directed, to be in attendance at the Medical Council Meeting on Friday, March 19th, at 4.30 P.M. and the House Committee Meeting at 5 P.M. the same day, when the appointments will be made.

H. A. MADGE, Secretary.

The Weir Hospital, Grove-road,
Balham, S.W.12.

JUNIOR RESIDENT MEDICAL OFFICER required at the end of March (Male, unmarried).

Candidates must be fully qualified and duly registered. Salary £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, to be sent to the Secretary, from whom further information may be obtained.

London Homœopathic Hospital
(Incorporated by Royal Charter),
Great Ormond-street, Bloomsbury, W.C.1.
(A General Hospital. 200 Beds.)

APPOINTMENT OF HOUSE PHYSICIAN.

Applications are invited for the appointment of House Physician, vacant April 1st.

The appointment is one of three Resident Medical posts which occur periodically during the year, and is for a period of six months, with salary at the rate of £100 per annum, and board, apartments, and laundry. Candidates must be legally qualified and registered. Selected candidates will be required to attend a meeting of the Medical Committee for interview on March 10th. Applications, stating age, with copies of testimonials, to be sent to the undersigned immediately.

L. J. KNOWLES, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

HOUSE PHYSICIAN (Male) required immediately for six months. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned.

H. J. ELEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

The Board of Management invite applications for the post of HONORARY RADIOLOGIST. The holding of a diploma in Medical Radiology and experience in superficial X Ray therapy are essential. Two attendances a week will be required. A proportion of certain fees is payable to the Radiologist.

Applications, accompanied by copies of three testimonials, should be sent to the undersigned, from whom any further information can be obtained, not later than Saturday, 27th March.

H. J. ELEY, Secretary.

Wimbledon Hospital,

Thurstan-road, S.W.20.
(General Hospital. 74 Beds.)

RESIDENT MEDICAL OFFICER (Male, of British nationality) required for a period of six months in the first place from 1st April, 1937, eligible for re-election. Salary at the rate of £150 per annum, with board, residence, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications, and experience, together with copies of testimonials, should be sent to the undersigned.

M. M. EDWARDS,
(Mrs. Ashley Edwards), Hon. Sec.

Connaught Hospital,

Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required.

Salary £100 per annum, with residence, board, and laundry. Appointment for six months from April 1st, 1937. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before first post Friday, 12th March.

KENELM S. ELLISON, General Secretary.

Connaught Hospital,

Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

Applications are invited for the post of MEDICAL REGISTRAR at a salary of £150 per annum, with board, lodging, and laundry.

The appointment will be for six months in the first instance, but the successful candidate will be eligible for an extension of this period at a salary of £175 per annum.

Candidates should have had previous practical experience in Medicine and be reading for higher examinations.

Applicants should state their age, nationality, qualifications, and experience, and forward copies of not more than three recent testimonials.

Applications should be received on or before Monday, 15th March.

KENELM S. ELLISON, General Secretary.

London County Council.

Applications invited from Medical Practitioners to undermentioned positions:—

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing. Candidates must be Medical Practitioners of at least one year's standing. Experience in resident appointment in general hospital necessary. Married quarters not available.

*(a) HACKNEY HOSPITAL, High-street, Homerton, E.9.—Duties mainly in out-patient casualty department; experience in Minor Surgery and Treatment of Fractures essential.

*(b) MILE END HOSPITAL, Bancroft-road, Mile End, E.1.—Duties mainly Surgical.

*(c) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—General duties, Emergency Surgery, Anæsthetics.

(d) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Duties Obstetrical, Gynæcological.

*(e) ST. MARY ABBOTS HOSPITAL, Marloes-road, Kensington, W.8.—Duties Obstetrical and Gynæcological.

*(f) ST. MARY, ISLINGTON, HOSPITAL, Highgate Hill, N.19.—Duties mainly Medical, Anæsthetics essential, Electrotherapeutics desirable.

(g) ST. OLAVE'S HOSPITAL, Lower-road, Rotherhithe, S.E.16.—Duties General Surgery, Fracture and Orthopædic work; Ear, Nose, and Throat experience desirable.

*No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 22nd March.

Canvassing disqualifies.

Royal College of Surgeons of England.

Notice is hereby given that the Council in June will elect Examiners as follows:—

	Number to be elected.	Number who seek re-election.
FOR THE LICENCE IN DENTAL SURGERY.		
Board of Examiners in Dental Surgery (Surgical Section)	6	6
Examiners must be Fellows of the College, and will be required to examine in General Anatomy and Physiology, and in General Surgery and Pathology.		
Medicine	4	3
FOR THE FELLOWSHIP.		
*Anatomy	4	4
*Physiology	4	2
UNDER THE CONJOINT EXAMINING BOARD.		
Elementary Biology	4	3
*Anatomy	3	2
*Physiology	2	2
Midwifery	4	3
Pathology	4	4
Public Health (Bacteriology and Parasitology) Part I.	1	0
Public Health Part II.	1	0
Pathology and Tropical Hygiene (D.T.M. & H. Part I.)	1	1
Tropical Medicine and Surgery	1	1
Ophthalmic Medicine and Surgery	3	3
Psychological Medicine	1	1
Laryngology and Otology	3	2
Medical Radiology	2	0
Anæsthetics	1	1
Child Health	1	1

*Candidates must hold a medical qualification registrable in this country.

Applications must be in writing and must reach the Secretary by Tuesday, March 30th.

6th March, 1937. KENNEDY CASSELS, Secretary.

HIS MAJESTY'S COLONIAL SERVICE

Applications are invited for the post of CHIEF MEDICAL OFFICER, BARBADOS.

Candidates who must not be more than forty-eight years of age, must be on the British Medical Register, and should possess a Diploma in Tropical Medicine and Hygiene. Salary £1000 per annum. The appointment is pensionable, subject to two years' probation. Quarters and passages are not provided.

Further particulars and forms of application may be obtained from the Director of Recruitment (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

London County Council.

RESIDENT MEDICAL SUPERINTENDENTS required at:

(1) ST. GILES' HOSPITAL, Brunswick-square, Camberwell (810 Beds). Salary £1300 by £50 to £1550 and unfurnished house free of rates. Duties may also include those of temporary medical officer of Camberwell Institution and of Peckham Children's Homes at £50 and £25 a year respectively.

(2) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh Hill, Greenwich (634 Beds). Salary £1100 by £50 to £1350 with unfurnished quarters free of rates. Duties also include those of temporary administrative and medical head of St. Alfege's Institution (826 Beds) at £100 a year.

Persons appointed will be under the Medical Officer of Health and must undertake duties at other establishments if so required. Candidates must have been qualified medical practitioners for at least five years, have been house physician or house surgeon in a public general hospital, and be experienced in hospital administration.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Clerk of the Council, County Hall, S.E.1, returnable by 25th March. Canvassing disqualifies.

St. John's Hospital,

Lewisham, S.E.13.

There is an immediate vacancy for the office of HONORARY ASSISTANT OPHTHALMIC SURGEON to this Hospital.

Applicants must be engaged solely in the practice of Ophthalmology.

The Selection Committee will sit on the 16th inst., and applications should be received by the undersigned as soon as possible.

The present Ophthalmic Registrar is an applicant.

J. C. GILBERT, Secretary-Superintendent.

St. John's Hospital,

Lewisham, S.E.13.

A vacancy has been declared in the office of HONORARY DERMATOLOGIST, to fill which applications are invited.

The successful applicant will be required to take charge of beds and take one Out-patient Clinic weekly.

The Selection Committee will sit on the 16th inst., and applications should be received by the undersigned as soon as possible.

J. C. GILBERT, Secretary-Superintendent.

Hospital for Women at Leeds.

HONORARY ANÆSTHETIST.

Applications are invited for the post of Honorary Anæsthetist to the above Hospital, and should be sent, together with copies of three recent testimonials, to the undersigned not later than Tuesday, March 16th. D. W. CURRIE, F.R.C.S.,
Secretary to the Faculty.
The Hospital for Women, Leeds, 2.

Royal Infirmary, Blackburn.

(244 Beds—Five Residents.)

RESIDENT SURGICAL OFFICER (Male) required. Salary £250 per annum, with board, residence, and laundry. Preference will be given to applicants holding the F.R.C.S. Diploma.

Applications, stating age, nationality, qualifications, and experience, together with copies of recent testimonials, to be sent to the undersigned.
T. DEWHURST, General Supt. and Secretary.
Royal Infirmary, Blackburn.

City of Sheffield.

APPOINTMENT OF POLICE SURGEON.

The Watch Committee of the Sheffield City Council invite applications for the office of Police Surgeon from duly qualified persons not exceeding forty five years of age.

A statement of the duties and of the terms and conditions of the office is attached to the form of application, which must be used and can be obtained from me.

The salary is £1000 per annum (payable monthly), which is to cover all personal expenses incurred in carrying out the duties of the office, including travelling about the City, and as the post has been designated as an established post for the purposes of the Local Government and Other Officers' Superannuation Act, 1922, the salary is subject to a deduction of 5 per cent., and the successful candidate will be required to pass a medical examination.

The person appointed will be required to devote the whole of his time to the duties of the office.

Applications, accompanied by copies of not more than three recent testimonials, and endorsed "Police Surgeon," should be addressed to me and be delivered at my office not later than 20th March, 1937.

Canvassing or any communication to a member of the Council, either directly or indirectly, is prohibited, and will be a disqualification. E. B. GIBSON, Town Clerk.
Town Hall, Sheffield, 1, 23rd February, 1937.

City of Nottingham.

APPOINTMENT OF RESIDENT MEDICAL SUPERINTENDENT OF THE CITY HOSPITAL AND MEDICAL OFFICER OF THE CITY INSTITUTION.

The Nottingham City Council invite applications from duly qualified persons for the appointment of Resident Medical Superintendent of the City Hospital, and Medical Officer of the City Institution.

Salary £1000 per annum. An unfurnished house, free of rent and rates, will be provided, but no other emoluments are offered.

The person appointed will not be allowed to engage in private practice, and all fees received by him will be required to be paid to the Council.

The duties will be carried out under the general supervision and control of the Medical Officer of Health.

Applicants, in addition to possessing the usual professional qualifications, must have held the position of House Physician or House Surgeon in a public general hospital, and have had considerable experience as a Medical Officer in a Poor Law Infirmary or similar Institution. Administrative experience and ability is essential.

Further particulars as to the terms of the appointment and of the duties to be performed in connection therewith, may be obtained on application to me, the undersigned, and the successful candidate will be deemed to have had notice of, and to have accepted, such terms.

The appointment will be subject to the Superannuation Scheme in force, and the successful candidate will be required to pass a Medical Examination.

Applications, stating age, qualifications, and full particulars of present and past experience, together with copies (which will not be returned) of not more than three recent testimonials, endorsed "Resident Medical Superintendent," to be delivered at my office not later than the 22nd March next.

Canvassing, whether directly or indirectly, is prohibited, and will be deemed a disqualification.

Dated this 26th day of February, 1937.
Guildhall, Nottingham. J. E. RICHARDS, Town Clerk.

Walsall General Hospital.

The Committee invite applications from Men or Women for the post of HOUSE SURGEON. Must have had previous experience in the administration of Anæsthetics. Candidates, who must be registered under the Medical Acts, must produce three recent testimonials. The appointment will be for six months. Salary at the rate of £150 per annum. The Hospital contains 172 Beds and is equipped in all Special Departments.

Applications, stating age, qualifications, and nationality, to be sent at once to the undersigned.
1st March, 1937. WALTER FRANCOMBE, House Governor.

County Borough of Barrow-in-Furness.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications are invited for the above appointment at an inclusive salary at the rate of £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700 per annum.

Candidates must be fully qualified and registered Medical Practitioners and possess the Diploma in Public Health.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed will be required to pass a medical examination.

Forms of application and particulars of the duties may be obtained on application to the Medical Officer of Health, Town Hall, Barrow-in-Furness, and completed applications, endorsed "Assistant Medical Officer of Health," accompanied by copies of not more than three recent testimonials, must be returned to my office not later than first post on Monday, the 22nd March, 1937.

Canvassing, either directly or indirectly, will be deemed a disqualification. W. LAWRENCE ALLEN, Town Clerk.

Durham County Hospital.

(100 Beds.)

Male HOUSE SURGEON required; duties to commence on 26th March, 1937.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal for a similar period.

Applications, stating age, experience, and nationality, accompanied by three recent testimonials, should be addressed to the undersigned immediately. NORMAN BROWN, Secretary.

City of Plymouth.

CITY GENERAL HOSPITAL. (570 Beds.)

JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Women for the post of Junior Assistant Medical Officer at the City Hospital, Plymouth.

Salary will be at the rate of £250 per annum, with full residential emoluments. All the fees received by the Officer must be refunded to the Council.

The appointment will be for a period of six months in the first instance, and renewable for a further period of six months, and will be terminable by one month's notice on either side.

Form of application may be obtained from the undersigned, and should be forwarded, together with copies of not more than three recent testimonials, not later than Monday, 15th March, 1937.
T. PEMSON, Medical Officer of Health, Town Hall,
Stonehouse, Plymouth.

Devonshire Royal Hospital, Buxton,

DERBYSHIRE. (300 Beds.)
(A NATIONAL HOSPITAL FOR RHEUMATISM AND ALLIED DISEASES.)

HOUSE PHYSICIAN (Male).

Salary £150, rising to £175 after three months' service (and prospects of promotion to Resident Medical Officer), with board-residence and laundry.

Candidates must be fully qualified and registered.

The appointment is for a minimum period of six months from 1st March, 1937, and may be extended for a further period of six months.

Applications, endorsed "House Physician," stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded without delay to the undersigned, from whom any further particulars may be obtained.

Considerable orthopædic experience is available, and the appointment offers special facilities for any gentleman preparing a thesis or wishing to undertake special work, as the Hospital contains all the necessary laboratory and other facilities for research.

Canvassing will disqualify.

By order of the Committee of Management.
A. PRESTON TURNER, General Superintendent and Secretary.

Herefordshire General Hospital,

HEREFORD. (150 Beds.)

Immediate applications are invited for the post of HOUSE SURGEON AND CASUALTY OFFICER (Male).

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, should be sent immediately to the undersigned. T. W. UPTON, Secretary.

New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.

Applications are invited from qualified Medical Women for the post of HOUSE SURGEON. Salary at the rate of £100 per annum. To commence duties on the 5th April.

Applications in writing, accompanied by recent testimonials, should be sent on or before the 18th March to
26th February, 1937. PERCY F. SPOONER, Secretary.

Leicestershire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners (Male) under thirty-five years of age, for the appointment of Assistant County Medical Officer.

Candidates must possess a Diploma in Public Health. The duties of the appointment will be in connexion with the work of the School Medical, Tuberculosis, and Maternity and Child Welfare Services; in addition the Officer will be required to undertake general administrative duties.

The person appointed must devote the whole of his time to the duties of the office, and will carry out such other duties as the County Medical Officer may assign to him.

The salary will be at the rate of £700 per annum rising, subject to satisfactory service, by annual increments of £25 to £750 per annum, with travelling expenses according to the County Council scale.

The appointment is subject to the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

Canvassing of any description will be a disqualification.

Forms of application may be obtained from the undersigned, and must be received, accompanied by copies of not more than three recent testimonials, not later than the first post on Wednesday, 24th March, 1937.

LUCAS E. RUMSEY, Clerk of the Council.

County Offices, Leicester, 1st March, 1937.

County Council of Middlesex

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the pensionable appointment of Physician to the COUNTY SANATORIUM, HAREFIELD. Applicants are expected to hold high qualifications, and to have devoted themselves wholly or chiefly to the practice of Clinical Medicine, with special experience in the treatment of Pulmonary Tuberculosis.

The successful candidate will work under the direction of the Medical Superintendent, and the whole of his time must be given to his official duties. He must be prepared to act as consultant to general medical practitioners outside the Sanatorium if called upon so to do, to undertake the teaching of post-graduate students if required, and to carry out such other duties as the Council may from time to time direct.

The appointment is non-resident, and the successful candidate will be required to reside within a short distance of the sanatorium. The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £1000 per annum (including living-out allowance of £150 per annum), rising by annual increments of £50 to £1500. The salary is inclusive, and any fees received by the officer appointed must be paid over to the Council.

The Harefield County Sanatorium, which accommodates 378 patients (men, women, and children) has just been completely rebuilt, and embodies many new features in hospital construction.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 20th March, 1937. Application forms are not provided. Envelopes must be endorsed "Physician, Harefield County Sanatorium."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B 3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
1st March, 1937.

Royal Halifax Infirmary.

(250 Beds.)

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON (Male, unmarried). Candidates must be duly qualified and registered. The appointment will be from 11th March to 30th September, 1937. Salary, including all services required in connexion with Paying Patients' Ward, £175 per annum, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer and three House Surgeons. The Hospital contains 250 Beds, including Maternity Department, and Paying Patients' Block. There is also a Pathological Department, Radiological Department, Radium Clinic, and a large Eye, Ear, Nose, and Throat Department.

The Third House Surgeon is not an applicant for the post.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age, nationality, &c., together with testimonials, should be sent.

1st March, 1937. A. MIDGLEY, Secretary.

Norfolk and Norwich, Hospital,

NORWICH. (417 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Special Departments (Ear, Nose, and Throat, and Ophthalmic). Salary £120–£160 per annum (according to experience), with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible. FRANK INCH, House Governor and Secretary.

5th March, 1937.

Royal Berkshire Hospital, Reading.

(338 Beds.)

Applications are invited for the following resident appointments:—

One HOUSE SURGEON (Male)—immediately.

One CASUALTY OFFICER (Male)—immediately.

One HOUSE SURGEON to the Special Departments (Eye, Ear, Nose, and Throat) (Male)—vacant May 1st.

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £125 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible

H. E. RYAN, Secretary and House Governor.

Oldham Royal Infirmary.

CASUALTY OFFICER and HOUSE SURGEON for the Fracture Department required for a period of six months.

Salary at the rate of £175 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the undersigned not later than Thursday, the 11th March, 1937. H. J. CLOUT, General Superintendent.

Holland (Lincs.) County Council.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners holding the Diploma in Public Health or an equivalent qualification for the post of Assistant Medical Officer of Health (Male). Candidates must not exceed forty years of age.

The person appointed, who must have had post-graduate experience in Radiography and in the diagnosis and treatment of tuberculosis, will be required to carry out all the duties assigned to him by the County Medical Officer, under whose direction and supervision he will act. He will be required to devote the whole of his time to the duties of the office and to reside in such part of the county as may be required. He will not be allowed to engage in private practice.

The salary will be £600 per annum, rising by increments of £25 per annum to a maximum of £750 per annum, together with travelling expenses according to the Council's scale.

Application, which must be made on a form obtainable from the undersigned, together with copies of not more than three recent testimonials, should be sent to the County Medical Officer of Health, County Hall, Boston, not later than Friday, 12th March, 1937. W. G. BOOTH, County Medical Officer of Health.

County Hall, Boston, 2nd March, 1937.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.

(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of DEPUTY MEDICAL SUPERINTENDENT at the above-named hospital Age limit forty-five years.

Salary £550 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than March 20th, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd March, 1937.

Royal Lancaster Infirmary.

(140 Beds.)

Two JUNIOR HOUSE SURGEONS (Male, British, single) required for 1st April, 1937. Salary £130 per annum, with board, residence, and laundry.

The appointment is for six months. Applications, with copies of testimonials, should be addressed to the Hon. Secretary, Royal Lancaster Infirmary.

North Devon Infirmary, Barnstaple.

(70 Beds, including Maternity Ward.)

Wanted, 6th April, duly qualified SOLE RESIDENT MEDICAL OFFICER.

Salary £150 per annum, with board, apartments, and laundry.

Appointment to be for not less than six months. Applications, stating age, qualifications, with copies of testimonials, to be sent to the Secretary.

Margate and District General Hospital.

(98 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male).

Salary £150 per annum, with board and laundry. Duties to commence 1st April, 1937.

Applications, accompanied by copies of testimonials, should be addressed to the Secretary at the Hospital as early as possible.

Staffordshire County Council.

BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY.

SECOND ASSISTANT BACTERIOLOGIST AND PATHOLOGIST.

Applications are invited from legally registered Medical Practitioners under forty years of age for the post of Second Assistant Bacteriologist and Pathologist.

Previous post-graduate experience in either bacteriology or pathology is essential, but the person appointed will be expected to become proficient in due course in all the branches of the routine work of the laboratory. Adequate technical assistance is provided.

Reasonable opportunity for research will be afforded.

Commencing salary £700 per annum, rising by annual increments of £50 to a maximum of £850, subject to the usual deductions under the Local Government and Other Officers' Superannuation Act, 1922. The appointment will be terminable by three months' notice on either side.

The successful candidate will be required to pass a medical examination, and submit a birth certificate.

Applications, together with copies of three recent testimonials, to be received by me on or before Saturday, 20th March, 1937.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 22nd February, 1937.

Nottingham General Hospital.

(386 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undersigned not later than Friday, March 12th. Duties to commence on April 1st, 1937.

PETER M. MACCOLL, House Governor and Secretary.

General Hospital, Nottingham.

(386 Beds.)

A HOUSE SURGEON (Male) is required at the above Institution. The appointment is for six months with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be delivered to the undersigned not later than Friday, March 12th. Duties to commence on 1st April, 1937.

PETER M. MACCOLL, House Governor and Secretary.

Leigh Infirmary, Lancashire.

Wanted, SENIOR RESIDENT HOUSE SURGEON, Male, single, for Hospital of 85 Beds. Should have Surgical experience. Salary £250 per annum, with rooms, fire, attendance, and board. Good quarters.

The position is vacant on April 30th, 1937.

JUNIOR HOUSE SURGEON also required immediately. Salary £150 per annum.

The appointments are for six months with eligibility for re-election. Must be good Anæsthetists. The appointments offer exceptional opportunities for Surgery.

Applications to be addressed to Mr. J. A. SMITH, Secretary, 5, Silk-street, Leigh, Lancashire.

Royal Surrey County Hospital,

GUILDFORD. (216 Beds.)

Wanted, 1st April, 1937, HOUSE SURGEON (Male).

Six months' appointment. General Surgery, Ophthalmology, and Gynæcology recognised for F.R.C.S.

Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than the 8th March.

The Liverpool Sanatorium,

DELAMERE FOREST, FRODSHAM, VIA WARRINGTON.

(175 Beds for the treatment of patients suffering from Pulmonary Tuberculosis.)

SENIOR ASSISTANT TO THE MEDICAL SUPERINTENDENT.

Applications are invited from Male Medical Practitioners with suitable qualifications for the above named appointment. Candidates must be unmarried and preference will be given to applicants who have held resident medical appointments since qualification, and have had practical institutional experience in the treatment of Pulmonary Tuberculosis.

Salary will be at the rate of £325 per annum, with board, quarters, and laundry.

The appointment is normally tenable for twelve months but may be extended.

Particulars of duties and full information, together with forms of application, can be obtained from the Medical Superintendent.

Forms completed with copies of three recent testimonials should be returned as early as possible to the Medical Superintendent, the Liverpool Sanatorium, Delamere Forest, Frodsham, via Warrington.

Manchester Royal Eye Hospital.

JUNIOR HOUSE SURGEON will be required on the 1st April. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management. H. R. NORTH, Gen Supt. and Secretary.

Warrington Infirmary and Dispensary.

Applications are invited for the following posts:—

SECOND RESIDENT,
THIRD RESIDENT,

which fall vacant on the 1st April, 1937.

Applicants must be duly qualified Medical Practitioners and unmarried.

Salary of Second Resident (who must have had previous hospital experience) at the rate of £175 per annum, whilst Third Resident's salary is at the rate of £150 per annum, together with board, lodging, and laundry.

At the expiration of six months' term of office, and subject to the recommendation of the Medical Board, the Second Resident is appointed Senior Resident (salary £250 per annum) for a similar period, whilst the Third Resident is appointed Second Resident and then Senior Resident for the same periods.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials, should be sent in not later than first post on Tuesday, 9th March. Chosen candidates will be interviewed on Friday, 12th March.

By order.

HENRY L. BOOT, Superintendent and Secretary.

24th February, 1937.

Bradford Children's Hospital.

HOUSE SURGEON (Lady) required for April 1st, 1937. Fully qualified. Salary £100, with board, residence, and laundry.

Applications, with recent testimonials, and stating age, not later than March 17th, to J. W. LONGLEY, Secretary-Superintendent.

King George Hospital, Ilford

(8 miles from London.) (200 Beds.)

HOUSE PHYSICIAN (Male) required for six months from 1st April. Salary £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than Monday, 15th March.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

Northampton General Hospital.

(293 Beds.)

There will be vacancies on 1st April for the following appointments:—

HOUSE PHYSICIAN.
HOUSE SURGEONS (Three).
HOUSE SURGEON TO THE EAR, NOSE, AND THROAT DEPARTMENT.
CASUALTY OFFICER.

Salaries will be at the rate of £150 per annum, with board, residence, and laundry.

Candidates, who must be duly qualified and registered, must be Males and of British nationality.

The successful candidates will be elected for a period of six months and will be eligible for re-election for a further period of six months.

Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than the first post on Wednesday, 10th March, 1937.

S. C. W. DISNEY, Secretary-Superintendent.

22nd February, 1937.

The Staffordshire General Infirmary,

STAFFORD.

HOUSE SURGEON required to commence duties on the 20th March. Salary £200 per annum, and board, residence.

Applications, stating age, and accompanied by copies of three recent testimonials as to qualifications and experience, should be sent to me forthwith. A. E. COLLINS, Secretary.

Stafford, 25th February, 1937.

Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (unmarried) for the post of JUNIOR HOUSE SURGEON at the above Hospital, which contains 88 Beds.

Salary is at the rate of £200 per annum, together with board, residence, and laundry.

Preference will be given to candidates who have held resident hospital appointments and who are competent anæsthetists. The appointment will be for a period of six months in the first instance, and for a further six months at the option of the Council, but will not be renewable after that time.

Applications, with copies of two recent testimonials, should be sent not later than the 11th March, 1937, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston.

Duties to commence as soon as possible.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 22nd February, 1937.

Royal Sussex County Hospital,
BRIGHTON.
(Beds 272. Six R.M.O.'s.)

CASUALTY HOUSE SURGEON (Male) required in March. Salary £120 per annum, with board, residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

County Borough of Blackburn.

PUBLIC ASSISTANCE DEPARTMENT.

Applications are invited from Medical Practitioners (Male) for the appointment of a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER at QUEEN'S PARK HOSPITAL AND INSTITUTION.

The Staff consists of a Resident Medical Officer, a Resident Assistant Medical Officer, a Consulting Surgeon, a Laboratory Assistant, and an X Ray Attendant.

There is a separate Infirmary, a separate Mental Block, and a separate Sanatorium for Children, and there is opportunity for experience in all departments, including Medical, Surgical, and Midwifery cases. An X Ray apparatus is installed.

The person appointed will be required to devote his whole time to the duties, and also to act as may be directed by the Resident Medical Officer.

The appointment will be limited to a term not exceeding one year.

Salary for the first six months at the rate of £150 per annum, and thereafter at the rate of £200 per annum, together with board, apartments, and attendance.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, must be sent so as to reach the Public Assistance Officer, Public Assistance Offices, Cardwell-place, Blackburn, not later than 10 A.M. on the 8th March, 1937.

CHAS. S. ROBINSON, Town Clerk.

Town Hall, Blackburn, February, 1937.

Cefn Coed Hospital, Swansea.

(SWANSEA COUNTY BOROUGH MENTAL HOSPITAL.)

DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited for the above post from registered Medical Practitioners (Male), whose age does not exceed forty years.

Candidates must have previous Mental Hospital experience, and must hold a Diploma in Psychological Medicine. Preference will be given to those who have experience as House Surgeon or House Physician in a General Hospital, and who are able to practise Psycho-therapy.

Salary £525 per annum, rising by two annual increments of £25 each to £575, with pleasant detached house (rent and rate free), coal, electric light, laundry, and garden produce, which are valued for superannuation purposes at £75 per annum.

The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and may be terminated by two calendar months' notice on either side. The selected candidate will be required to pass a medical examination.

Applications, accompanied by copies of two recent testimonials, must be sent to the Medical Superintendent not later than Wednesday, 10th March, 1937.

City of Birmingham.

SELLY OAK HOSPITAL. (520 Beds.)

JUNIOR MEDICAL OFFICER (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointment of Junior Medical Officer (Male) at the Selly Oak Hospital, Birmingham. The appointment will be for a period of six months in the first instance, but may be extended at the end of that time for a further period of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by him.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 10th March, 1937. F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, February, 1937.

Burton-on-Trent General Infirmary.

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry. There are three residents.

Applications, giving age and qualifications, together with copies of testimonials, to be sent to E. W. THORNLEY, Secretary.

Manchester Ear Hospital,
Grosvenor-square, All Saints.'
(Registered for D.L.O.)

The Board invite applications for the post of RESIDENT HOUSE SURGEON, becoming vacant about middle of April. (31 Beds.) Salary £120 per annum. Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Sec., Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

County Borough of Ipswich.

MEDICAL OFFICER OF HEALTH.

The Council invite applications from persons not exceeding forty-five years of age for the appointment of Medical Officer of Health for the Borough.

The commencing salary will be at the rate of £1000 per annum, together with a motor-car allowance of £60 per annum.

The person to be appointed must be a legally qualified Medical Practitioner and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health or State Medicine.

The appointment will be subject to the approval of the Minister of Health and the Board of Education, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the successful candidate passing the necessary medical examination.

The person appointed must reside within the Borough. The appointment is terminable by three calendar months' notice in writing on either side.

The person appointed will be responsible for the performance of all the duties imposed on the Medical Officer of Health under relevant Acts, Orders and Regulations, and required to act as School Medical Officer, Administrative Tuberculosis Officer, Medical Superintendent of the Maternity and Child Welfare Centres, the Maternity Home, the Isolation Hospital and the Small Pox Hospital, Medical Officer to the Port Sanitary Authority, Medical Examiner of Entrants to the Council's Service, and to perform such other duties as may from time to time be prescribed by the Council. He must devote his whole time to the duties of the Office, and will not be allowed to engage in private practice.

Forms of application and particulars with regard to the appointment may be obtained from the Medical Officer of Health, Public Health Department, Elm-street, Ipswich, and applications must be delivered to the undersigned not later than 12 noon on 31st March, 1937, in an envelope marked "Appointment of Medical Officer of Health."

Canvassing members or officers of the Council in any manner whatsoever is prohibited and will disqualify candidates.

A. MOFFAT, Town Clerk.

Town Hall, Ipswich, 27th February, 1937.

Burslem Haywood and Tunstall War
MEMORIAL HOSPITAL, HIGH-LANE, TUNSTALL, STOKE-ON-TRENT.

Applications are invited for the following post of RESIDENT HOUSE PHYSICIAN. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months in the first instance, re-appointment may be applied for.

Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Salford Royal Hospital.
(263 Beds.)

Applications are invited from duly registered candidates (Male) for—

HOUSE PHYSICIAN.
HOUSE SURGEONS (Two).
CASUALTY HOUSE SURGEON.

For six months from April 1st. Salary £125 per annum.

Forms of application, obtainable from the undersigned, should be delivered on or before the 9th March next.

By order of the Board,
H. B. SHELSWELL, General Superintendent and Secretary.
22nd February, 1937.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

The Royal Eye and Ear Hospital,
BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

The University of Liverpool.

FACULTY OF MEDICINE.

The Council invites applications from candidates holding a registered medical qualification for the post of SENIOR LECTURER (Ungraded) in the Department of Physiology. Salary £600 per annum. Experience in the teaching of Histology and Cytology is required.

Applications, together with the names of three referees, should be sent, not later than 1st May, 1937, to the undersigned, from whom further particulars may be obtained.

March, 1937. EDWARD CAREY, Registrar.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of HOUSE SURGEON (Male) to the Ophthalmic and Ear, Nose, and Throat Departments, vacant March 15th.

Salary at the rate of £150 per annum, plus board, residence, and laundry.

The post is recognised by the Conjoint Board of the Royal Colleges for the Clinical work required in the regulations for the Diplomas in Ophthalmic Medicine and Surgery, and Laryngology and Otology.

The appointment will be for six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

1st March, 1937. R. J. CARLESS, House Governor.

Royal Victoria Infirmary,

NEWCASTLE-UPON-TYNE.
(758 Beds.)

Applications are invited for the post of whole-time JUNIOR SURGICAL REGISTRAR.

These appointments are intended for Graduates who desire to gain surgical experience, and who have already held a post as House Surgeon. The post offers opportunity for post-graduate study.

The appointment, which will commence on Monday, 5th April, 1937, will in no case extend beyond three years, and will be for one year in the first instance, renewable for two further periods.

The rate of remuneration is £150 per annum.

Applications, with copies of not more than three recent testimonials, must be received on or before Monday, 22nd March, 1937, by the undersigned, from whom further particulars may be obtained.

S. DUNSTAN, House Governor and Secretary.

1st March, 1937.

West Bromwich and District General

HOSPITAL.
(130 Beds.)

Applications are invited for the posts of:—

(1) HOUSE SURGEON.
(2) HOUSE PHYSICIAN.
(3) CASUALTY HOUSE SURGEON.

Candidates (Male or Female) must be doubly qualified and unmarried. Salary in each case at the rate of £200 per annum, with board, residence, and laundry.

The appointments are for six months, and the candidates appointed will be required to take up their duties on the 1st April next. Applications, stating age and qualifications, with copies of three recent testimonials, should be sent to the undersigned on or before the 14th March.

By order.
FRANK I. HANCOCK, Secretary and Superintendent.

Edward-street, West Bromwich.

Liverpool Royal Infirmary.

(MEDICAL SCHOOL. 336 Beds.)

JUNIOR CASUALTY OFFICER AND HOUSE SURGEON to the Skin Department required for the six months commencing 1st April, 1937.

Candidates must be duly registered under the Medical Acts.

Salary at the rate of £60 per annum, board, residence, &c.

Applications, stating age, qualifications, where graduated, and nationality, to be sent to the undersigned as soon as possible.

March 1st, 1937. WM. RUTTER, Gen. Supt. and Sec.

City of Nottingham.

ASSISTANT MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE WORK.

Applications are invited for the above post from Women Medical Graduates experienced in Practical Midwifery and Ante-natal and Infant Welfare Work.

The duties will be chiefly in the ante-natal and infant welfare clinics under the administrative control of the Medical Officer of Health.

Salary £500, rising by annual increments of £25 to £700. The salary is subject to deductions under the Superannuation Scheme of the Corporation. The successful candidate will be required to submit to a medical examination and to reside within the City of Nottingham.

Application forms may be obtained from the undersigned, and must be returned to me not later than March 22nd. Canvassing will be a disqualification.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 24th February, 1937.

Worthing Hospital.

Applications are invited for the post of HOUSE SURGEON vacant on the 31st March; the appointment is for six months. Salary at the rate of £130 per annum, with board, lodging, and laundry.

Candidate (Male) should forward application, stating age, nationality, qualifications, and experience, accompanied by testimonials, to the undersigned.

A. V. OAKTON, Secretary-Superintendent.

1st March, 1937.

Worthing Hospital.

Applications are invited for the post of HOUSE PHYSICIAN vacant on the 31st March; the appointment is for six months. Salary at the rate of £130 per annum, with board, lodging, and laundry.

Candidate (Male) should forward application, stating age, nationality, qualifications, and experience, accompanied by testimonials, to the undersigned.

A. V. OAKTON, Secretary-Superintendent.

1st March, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)
(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

Swansea General and Eye Hospital.

(336 Beds.)

HOUSE PHYSICIAN Wanted. Gentleman, single. Salary £150 per annum, with board, residence, and laundry. Appointment for six months.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

Ancoats Hospital, Manchester.

This Hospital is recognised by the Royal College of Surgeons (England) for its Surgical Practice.

HOUSE SURGEON (General) required to commence duty on 1st April. Appointment for six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, previous experience (if any), to be forwarded to the undersigned on or before 16th March, together with copies of three recent testimonials.

By order of the Board.
HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Wrexham and East Denbighshire

WAR MEMORIAL HOSPITAL. (124 Beds.)

Two RESIDENT HOUSE SURGEONS required by the above Hospital, to commence duty on April 1st. Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

February 27th, 1937. LESLIE SPENCER, Secretary.

Borough of Dover.

TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

The Corporation of Dover invite applications for the above appointment from Medical Practitioners of not more than forty years of age who hold a Diploma in Sanitary Science. Salary £600 per annum.

The applicant appointed will be required to devote his attention principally to work under the Aliens Order, 1920. Colloquial French and German will be a recommendation.

Further details of the appointment and forms of application may be obtained of the undersigned, to whom applications, accompanied by copies of testimonials, must be delivered by the 18th instant. S. R. H. LOXTON, Town Clerk.

Town Clerk's Office, Brook House, Dover,
1st March, 1937.

Beckett Hospital and Dispensary,

BARNSLEY.
(153 Beds.—4 Residents.)

Applications are invited for the post of JUNIOR HOUSE SURGEON (Male), duties mainly surgical, ear, nose, and throat work, and anæsthetics. Candidates must be fully qualified and registered.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, accompanied by testimonials, should be addressed to the undersigned.

ARTHUR L. BOURNE, Superintendent and Secretary.

Richard Murray Hospital, Blackhill,
CO. DURHAM.

HOUSE SURGEON.

Applications are invited for the post of House Surgeon (Male) at the above Hospital which has accommodation for sixteen surgical cases and sixteen maternity cases. The salary offered is £200 per annum, with board, apartments, and laundry in addition.

Applicants will require to have had previous experience as a House Surgeon in a General Hospital, and preference will be given to those with similar experience in a Maternity Hospital.

The appointment is for a period terminating on 31st December, 1937, and is not renewable.

The Hospital is served by a Visiting and Consultant Surgeon and a Visiting and Consultant Obstetrician.

So far as the Maternity Unit is concerned, the person appointed will be subject to the administrative control of the County Medical Officer of Health.

The duties will include the medical supervision of an adjacent small Convalescent Home for mothers and young children.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, must be received by the undersigned not later than 20th March, 1937.

T. W. ADDISON, Secretary to the Richard Murray Hospital Joint Board.

Shire Hall, Durham, 2nd March, 1937.

The Bolton Royal Infirmary.
(315 Beds, including two Auxiliary Hospitals.)

Applications are invited from gentlemen for the post of ASSISTANT RESIDENT SURGICAL OFFICER.

The duties of the Assistant R.S.O. comprise responsibility for the whole of the Casualty and Orthopædic Departments and to deputise for the R.S.O in his absence.

The post is recognised by the Royal College of Surgeons of England for the Final Fellowship Examination.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and previous experience, together with copies of testimonials, should be forwarded to the undersigned not later than March 16th, 1937.

G. A. HUGHES, Secretary.

Preston and County of Lancaster Royal
INFIRMARY.
(General Hospital. 405 Beds.)

HOUSE SURGEON, EYE, EAR, NOSE, AND THROAT DEPARTMENT.

Applications are invited from unmarried gentlemen, doubly qualified and registered, for the post of House Surgeon. Duties in the Eye, Ear, Nose, and Throat Wards under Specialist Surgeons.

Hospital Resident Staff seven. Six months' appointment.

Salary £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to Mr. JOHN GIBSON, Superintendent, Royal Infirmary, Preston.

15th February, 1937.

City of Norwich.

APPOINTMENT OF DISTRICT MEDICAL OFFICER.

Applications are invited for the post of District Medical Officer for the No. 3 District. The salary is at the rate of £175 per annum.

For particulars, apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications must be received not later than 15th March, 1937.

King Edward Memorial Hospital,
EALING. (133 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER (Male). Six months' appointment, commencing 21st March or 1st April, 1937, but candidates are eligible for re-election. Salary £150 per annum, with usual residential allowances.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, to be sent to the undersigned immediately.

R. A. MICKELWRIGHT, Secretary-Superintendent.

Bethlem Hospital, Monks Orchard,
EDEN PARK, BECKENHAM, KENT.

Wanted, Two RESIDENT HOUSE PHYSICIANS (Gentlemen, unmarried), recently qualified in Medicine and Surgery.

The term of residence is usually for six months. Apartments, board, and laundry provided. To each Officer an honorarium at the rate of £150 per annum will be paid for the first three months, rising thereafter to the rate of £200 per annum.

Written applications, with testimonials, to be forwarded to the Physician-Superintendent at the Hospital, from whom copies of the duties can be obtained.

Kent and Canterbury Hospital,
CANTERBURY.
(Recognised by Royal College of Surgeons for Study for Fellowship.)
(137 Beds.)

HOUSE SURGEON (Male, unmarried), for General and Ear, Nose, and Throat work. To commence duty immediately. Six months' appointment. Salary payable at the rate of £125 per annum, with board, residence, and laundry. There are two other resident medical officers.

Applications, stating age and particulars of qualifications, together with copies of testimonials, should be forwarded to the undersigned at once. S. I. WARD, Secretary.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School Children, Maternity and Child Welfare, and the conduct of a Venereal Diseases Clinic. The officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work. Salary £600 per annum, rising by annual increments of £20 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointments may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed form and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application form may be obtained, and to whom any enquiries relating to the appointment should be addressed.

Last day of receipt of applications, 20th March, 1937.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames, 1st March, 1937.

Victoria Hospital, Burnley.
(150 Beds.)

HOUSE SURGEON (MALE).

Applications are invited for the above post, which will become vacant on the 31st March next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if confirmed, the salary for the second six months will be at the rate of £200 per annum.

Applications, with full details of qualifications and experience, and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

City and County of Newcastle-
UPON-TYNE.

NEWCASTLE GENERAL HOSPITAL. (795 Beds.)

ONE HOUSE SURGEON (MALE).

The above post will become vacant on the 1st April, 1937, and applications are invited from duly qualified and registered Medical Practitioners.

The salary in respect of the appointment, which is tenable for six months, is at the rate of £150 per annum, with board, lodging, &c.

Applications, stating age and qualifications, together with copies of not more than three recent testimonials, must be submitted to the Medical Officer of Health, Town Hall, Newcastle-upon-Tyne, 1.

2nd March, 1937.

The Gloucestershire Royal Infirmary
AND EYE INSTITUTION, GLOUCESTER.
(225 Beds. Five residents.)

Applications are invited for the post of HOUSE SURGEON (Male) to the Ear, Nose and Throat Department. Salary at the rate of £150 per annum, with board, residence, and laundry.

The Hospital is recognised for the D.L.O. and the F.R.C.S. Final Examinations.

The appointment is for six months, which may be extended for similar periods by re-election from time to time.

Applications, stating age, qualifications, experience, and nationality, with copies of not less than three recent testimonials, should be sent to the undersigned not later than Wednesday, March 10th.

The elected candidate will be required to enter upon his duties at once. F. J. SYMONS, Secretary.

11th February, 1937.

County Mental Hospital, Lancaster.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Lady).

Candidates must be single and under thirty-five years of age. Commencing salary £500, rising by annual increments of £25 to £600, with further increase on promotion, subject to a deduction of 3 per cent. under the Asylum Officers' Superannuation Act. There are no emoluments.

The selected candidate will be required to live in the Hospital, and she will be provided with board, lodging, &c., for which a charge of £150 a year is made.

The possession of a Diploma in Psychological Medicine will entitle the Officer to an additional £50 per annum.

Applications, giving full particulars, with testimonials (copies only), should be forwarded at once to the Medical Superintendent.

Borough and Port Sanitary District of LOWESTOFT.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council of Lowestoft hereby give notice that they intend at an early date to appoint a Medical Officer of Health and School Medical Officer for the above-named Borough and Port Sanitary District, and they invite applications for the appointment.

The salary will be at the rate of £900 per annum, rising, subject to satisfactory service, by annual increments of £33 6s. 8d., to a maximum of £1000 per annum, which salary will be apportioned in respect of the various offices.

An allowance of £60 per annum will be paid if the officer regularly uses his own car in the service of the Council.

Further particulars of the duties, terms, and conditions of the appointment, together with a form of application, may be obtained by sending a stamped and addressed envelope to the undersigned. Application must be made on the prescribed form and enclosed in a foolscap envelope endorsed "Medical Officer," and must reach the undersigned not later than Friday, 19th March, 1937.

Canvassing, directly or indirectly, will be deemed a disqualification.

By order,
C. ASHTON STRAY, Town Clerk.

Town Hall, Lowestoft, 3rd March, 1937.

Royal Devon and Exeter Hospital, EXETER.

HOUSE SURGEON (MALE) TO THE EAR, NOSE AND THROAT DEPARTMENT.

Applications are invited for this post, which becomes vacant on April 1st.

The appointment is for six months, but candidates are eligible for re-election.

Salary at the rate of £150 per annum, with board, lodging, and washing.

Applications, giving particulars as to age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned on or before Tuesday, 16th inst.

S. S. COLE, Secretary and Manager.

2nd March, 1937.

Pathological and Bacteriological LABORATORY ASSISTANTS' ASSOCIATION.—Pathologists and Bacteriologists requiring Skilled Certified LABORATORY ASSISTANTS are invited to communicate with S. J. DENYER, 30 Waverley-grove, Hendon, London, N.W.4. ('Phone: Hendon 1968.) No fees.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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Experienced Secretary requires Part-time work (free mornings). Knowledge of medical terms. Own typewriter.—Address, No. 190, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted, Assistant Female, General Practice, North Midlands City. Salary £400, outdoor. Ability to drive car essential. State age, qualifications, experience, and when free. Reference photograph.—Address, No. 191, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Partnership, or Purchase Private Mental Institution wanted by Psychiatrist, aged forty-three, qualified U.K. and Germany. Twelve years' experience this country, British subject.—M.D., c/o C. S. Beale & Co., Accountants, 87, Bishopsgate, E.C.2.

London.—Cora Hotel, Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Harley Street and District.—A number of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 10, Henrietta-street, Cavendish-square, W.1. Lang. 2601.

Yorkshire.—House for Sale in West Riding town. Large garden. Garage. Present Occupier Consulting Surgeon.—Address, No. 180, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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Parliament Hill Fields, N.W.—Charm-ing semi-detached HOUSE for Sale or to Rent. Particularly well placed and well adapted for Medical man.
Write, Box 266, Sells Advertising, 14, Lancaster-place, Strand, W.C.2.

Ilford.—For Sale, Corner Freehold HOUSE, ideally suitable for Doctor, lounge hall, dining-room, lounge, conservatory, all of unusually large dimensions, four bedrooms, brick-built garage at rear, situate in best-class residential neighbourhood where the requirements of the population are not adequately served. Price includes curtains, electric light fittings and linos, 95% mortgage could be arranged. Bargain £1575.—89, Glenwood-gardens, Ilford. Telephone: VAL 1983.

Wimpole-street. — Excellent newly-decorated First-floor Large CONSULTING ROOMS with Secretary's Room. Rental £175 per annum. Service recommended.—Bertram & Co., 43, New Cavendish-street, W.1. Welbeck 3703/4.

North Wales, Rhos-on-Sea, between Colwyn Bay and Llandudno on main road, detached CORNER HOUSE for sale, suitable district for professional man, house facing south with large sun parlour.—Apply, Box No. 29, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

SUITABLE FOR MEDICAL OCCUPATION.
Adjoining HARLEY-STREET.

No. 8, Park Square West, overlooking Regent's Park, and with small garden at rear. Five bedrooms, &c. Messrs. SAMUEL B. CLARK & SON are instructed by the Mortgagee to offer the CROWN LEASE of this delightful little house, about twenty-eight years unexpired, for SALE BY AUCTION at WINCHESTER HOUSE, Old Broad-street, E.C., on TUESDAY, 16th of March.—Particulars on application to the Auction Offices, 69, New Cavendish-street, W.1. (Langham 2667).

For Disposal from Private Practice— with maker's guarantee—complete VICTOR MODEL B 30 mA, oil-immersed shockproof diagnostic X Ray Plant. Includes hydraulic combination radiographic and screening couch and accessories. Condition as new.—For particulars address No. 190, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

British Made Clinical Thermometers each in a metal case; 1s. 3d. each, six for 7s., post free, plain or magnifying.—JOHN TOWNSEND, Empire House, St. Martins-le-Grand, E.C.1.

Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

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Accountancy and Legal Services furnished by the Agency, where desired, at moderate inclusive charges.

PRACTICES AND PARTNERSHIPS FOR SALE.

1. FAVOURITE SOUTH COAST TOWN.—Well-estab. mixed class PRACTICE, offering good scope, and producing for the last year £850. Suitable house can be rented or purchased. Premium 1½ years' purchase.
2. YORKSHIRE.—RESIDENTIAL TOWN.—Well-estab. middle- and working-class PRACTICE producing between £1000 and £1100 p.a., including panel of 860. Fees from 3s. 6d. Suitable house with ample accommodation. Small garden. Garage. Price for freehold £1200. Very good sporting and social facilities and good schools. Vendor on staff of hospital. Premium £1750.
3. MIDLANDS.—PARTNERSHIP.—A Share representing approximately £1300 p.a. with increase later, is offered in exceptionally sound good mixed class Practice averaging about £9000 p.a., with substantial panel and very good appointments. Excellent scope for major surgery. Suitable house available. Premium 2 years' purchase.
4. YORKSHIRE.—GOOD TOWN WITHIN EASY REACH OF COAST.—A one-fourth Share, with increase later, is offered in very old-estab. mixed-class PRACTICE producing for last 12 months nearly £4000. Substantial panel. Fees from 3s. 6d. Suitable house with 2 reception, 4 bedrooms, &c. Garage. Stabling and garden. Electric light. Gas. Can be rented at £65 p.a. or freehold purchased. Premium 2 years' purchase.
5. MIDLANDS.—COUNTY TOWN.—PARTNERSHIP.—A one-quarter Share (with increase later) is for disposal in mixed-class Practice averaging over £2500 p.a., including panel of 2800. Fees from 3s. 6d. Suitable house can be obtained. Preliminary assistantship if wished.
6. EAST COAST.—Small PRACTICE producing over £300 p.a., including panel of 360. Fees from 5s. Suitable house with ample accommodation. Price for freehold £1500. Premium £550.
7. LONDON, S.W.—Well-estab. PRACTICE averaging for past 2 years £1689 p.a., including panel of over 1600. Newly decorated small flat available. Branch surgery rented at £91 p.a.
8. SOUTH COAST.—PARTNERSHIP.—One-third Share is offered in old-estab. non-dispensing Practice in favourite town producing last year £3461. Selected panel of 400. Fees 3s. 6d. to 21s. Suitable freehold house for sale. Ingoing Partner must be well qualified and accustomed to better class work. There are two hospitals and one partner is on the staff.
9. CHISWICK, W.4.—Good mixed-class PRACTICE producing last year about £700, but capable of considerable expansion. Panel of 500. Well situated house with ample accommodation. Good garden. Premium £1150. Ill-health reason for sale.
10. RESIDENTIAL DISTRICT WITHIN 7 MILES OF CHARING CROSS.—Good middle-class PRACTICE averaging £1450 p.a. Panel of 750. Very low expenses. Suitable house with 2 reception, 4 bedrooms, &c., separate professional rooms. Garden. Garage. Can be rented at £90 p.a. Premium 2 years' purchase.
11. MIDLANDS.—FAVOURITE RESIDENTIAL TOWN.—Chiefly better-class non-dispensing PRACTICE producing for last 12 months over £1600. Panel of 560 and one appointment worth about £150 p.a. Fees 3s. 6d. to 21s. Very nice house with ample accommodation. Garden. Garage. Freehold for sale. Sport of all kinds. Good schools. Premium 2 years' purchase.
12. KENSINGTON DISTRICT.—Better-class non-residential Consulting PRACTICE producing for last 12 months £380. Selected panel of 94. Fees from 5s. Hours 9.30 to 12 and 5 to 7 P.M. Good scope for development. Rent of consulting and waiting room (inclusive of service and electric light) £110 p.a. Premium £350.
13. DEVELOPING NORTHERN SUBURB.—Well-estab. PRACTICE producing for last year £1290, including panel of 1000. Fees 2s. 6d. upwards. Suitable modern flat available above professional accommodation. Inclusive rental £104 p.a. Rates £15 p.a. Premium 2 years' purchase.
14. MIDLANDS.—RESIDENTIAL TOWN WITH BEAUTIFUL SURROUNDING DISTRICT.—Well-estab. good mixed-class PRACTICE producing for last 12 months over £1700, including panel of 980 and appointments worth about £290 p.a. Suitable house can be rented or bought, or other accommodation secured.
15. LONDON, S.E.—Very sound good mixed-class PRACTICE averaging £646 p.a. Receipts have decreased owing to vendor's ill health, but they are stated to be capable of considerable increase. Panel of nearly 600, and appointments worth over £70 p.a. Ten-roomed house with ample accommodation. For sale or on rental. Premium 1½ years' purchase.
16. MIDLANDS.—SUBURB OF LARGE TOWN.—PARTNERSHIP.—A Share representing about £1000 p.a. (with early increase) is offered in old-estab. better-class Practice. Very good house available, or if single purchaser could reside with vendor. Prospects of surgery. Premium 2 years' purchase, part by instalments.
17. SOUTH-EAST COAST.—RESIDENTIAL TOWN.—Old-estab. non-dispensing better-class PRACTICE averaging for last 3 years about £1450 p.a. Selected panel of 500. Fees 3s. 6d. to 21s. Ground floor flat containing large hall, consulting room, 2 reception, 3 bedrooms, &c. Inclusive rent £190 p.a. Premium 2 years' purchase.
18. EASTERN COUNTIES.—LARGE TOWN.—PARTNERSHIP.—A one-third Share, or as arranged, is offered after preliminary Assistantship in old-estab. steadily increasing Practice. Average gross cash receipts £2535 p.a. Panel of over 2800. Purchaser can select his own house. Premium 2 years' purchase.
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20. SOUTH LONDON.—RESIDENTIAL DISTRICT.—PARTNERSHIP.—Guaranteed income of £1000 p.a. for 2 years (with excellent prospects of increase up to £1500 p.a.) is offered in good mixed-class Practice at present producing approximately £4400 p.a. Large panel. Suitable small flat can be rented at 25s. per week. Premium 2 years' purchase.
21. NORTH LONDON.—Chiefly better-class PRACTICE averaging about £1000 p.a. with excellent prospects for further development. Suitable opening for panel work if wished. Fees 5s., 7s. 6d. upwards. Very attractive freehold house for sale with half an acre of ground, or smaller accommodation obtainable if wished. Low Premium for quick sale.
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24. SOUTH COAST RESIDENTIAL TOWN.—Recent estab. PRACTICE offering large scope for development, averaging about £650 p.a. (last year £850). Suitable freehold house for sale. Premium 2 years' purchase.
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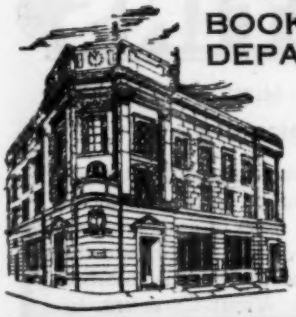

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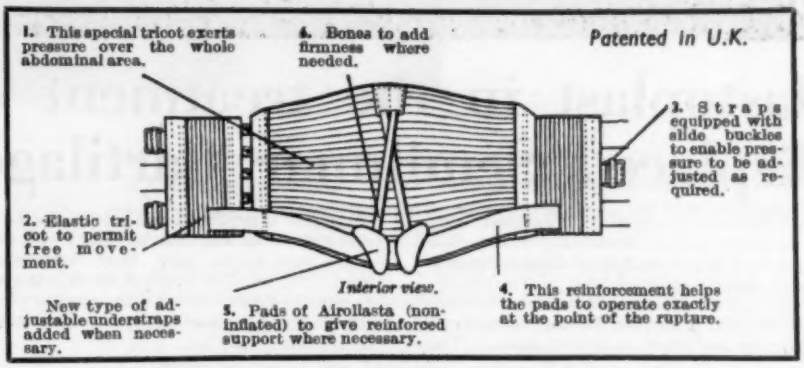

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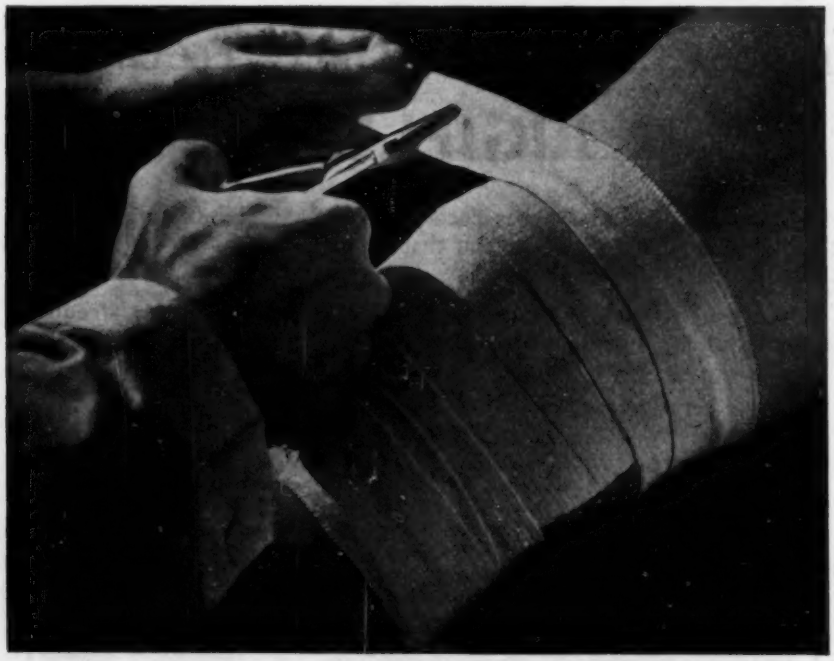

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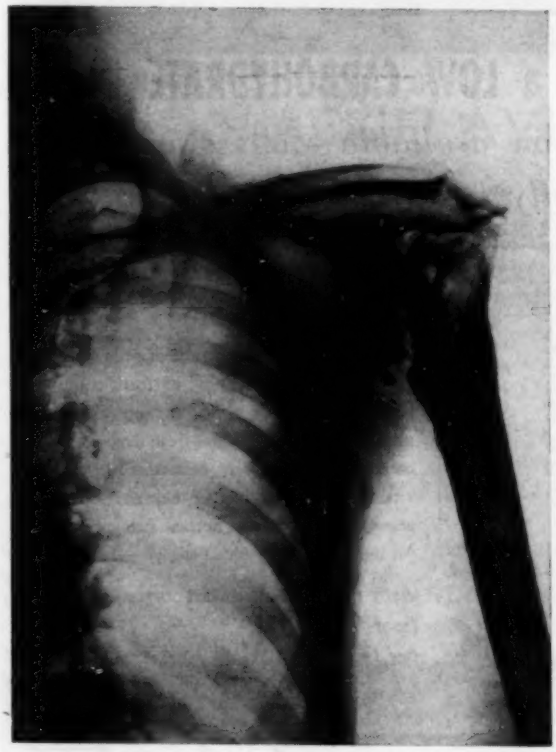

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MEDICAL REFERENCES

"British Medical Journal,"	4th July, 1925.
"Medical Press and Circular,"	12th August, 1925.
"The Prescriber,"	October, 1925.
"Indian Medical Gazette,"	January, 1926.

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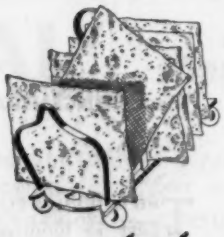

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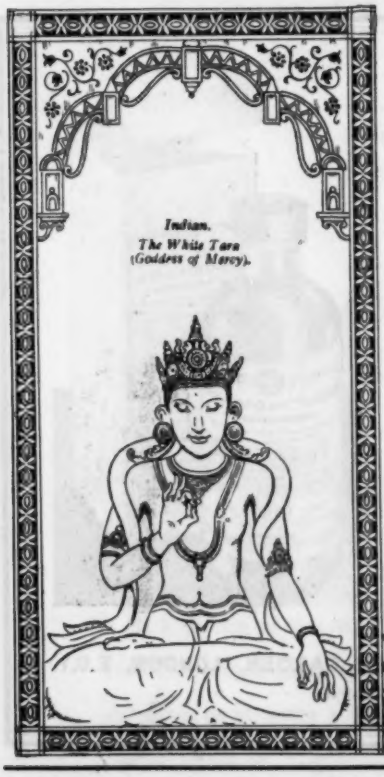

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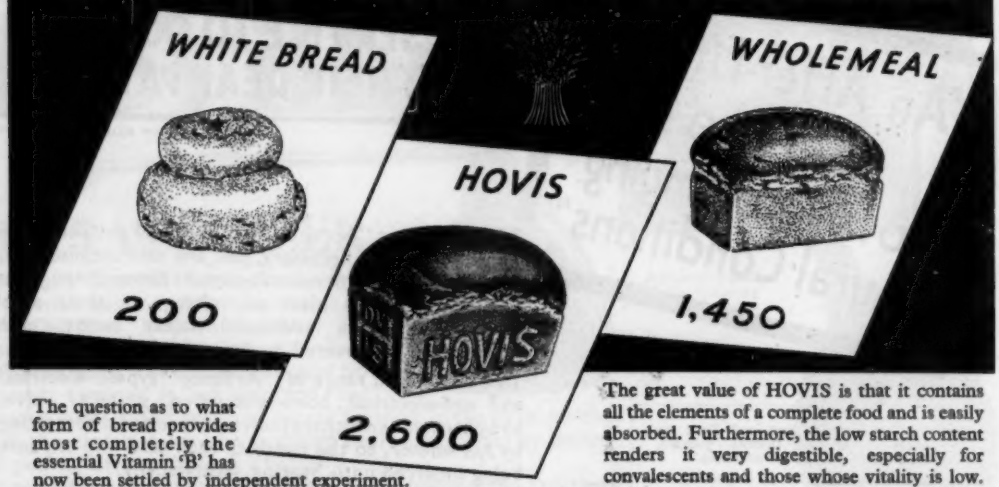

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A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD, *phone:* TULSE HILL 7181 *Resident Physician Superintendent.*

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.

Tel.: Clissold 1648.

HILL END HOSPITAL

FOR MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary, or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

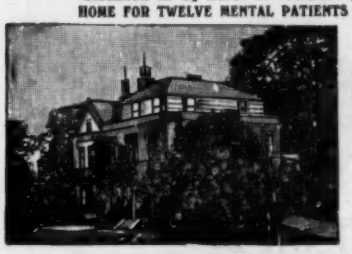
Telephone: 64117 Nottingham.

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).



Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES

ASHWOOD HOUSE

KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.

Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

Chairman: Brig.-Gen. G. Kyffin-Taylor, C.B.E., V.D., D.L.

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

For further particulars apply:

C. EDGAR GRISEWOOD, Sec., 20, Exchange St. East, Liverpool.

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.

Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.

Telephones—Starcross 59 and Teignmouth 289.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary Patients are also received for treatment. For further particulars apply to the Medical Superintendent.

LITTLETON HALL, BRENTWOOD, ESSEX

(18 MILES FROM LONDON.)

400 feet above sea.

HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool St. 26min. Stations Brentwood, Shenfield, one mile. Boarders received.

Apply Dr. Haynes

Telephone and Telegrams: Haynes Brentwood 45.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT HOUSE PHYSICIAN and a RESIDENT HOUSE SURGEON (Male) are required. Duties to commence on the 18th April, 1937.

The appointments are tenable for six months. Salaries at the rate of £100 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 22nd March, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 7th April, 1937.

Further particulars and forms of application are obtainable from the undersigned.

February, 1937. HERBERT F. RUTHERFORD Secretary.

University of London.

The Senate invite applications for the S.A. COURTAULD CHAIR OF ANATOMY tenable at the Middlesex Hospital Medical School. Salary not less than £1,000 a year.

Applications (twelve copies) must be received not later than first post on 23rd April, 1937, by the Academic Registrar, University of London, W.C.1, from whom further particulars should be obtained.

£100 Grant for Study of Homœopathy.

Applications for the Autumn Session are invited from Graduates in Medicine under the age of thirty of Universities in England, Scotland and Wales, and the University of Calcutta, for the above grant. The successful applicant will be required to undergo a Course of not less than six months at the London Homœopathic Hospital for study of the Principles and Practice of Homœopathy.

Applications must reach the Secretary, British Homœopathic Association, Chalmers House, 43, Russell-square, London, W.C.1, by 1st July.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

The Board of Management invite applications for the post of Part-time REGISTRAR. An honorarium of £100 per annum is payable, and the successful applicant will also be required to take charge of the London County Council Minor Ailments Clinic on one session a week, commencing in April, 1937.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom any further particulars can be obtained, not later than 31st March, 1937.

H. J. ELEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

HOUSE PHYSICIAN (Male) required immediately for six months. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned.

H. J. ELEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

The Board of Management invite applications for the post of HONORARY RADIOLOGIST. The holding of a diploma in Medical Radiology and experience in superficial X Ray therapy are essential. Two attendances a week will be required. A proportion of certain fees is payable to the Radiologist.

Applications, accompanied by copies of three testimonials, should be sent to the undersigned, from whom any further information can be obtained, not later than Saturday, 27th March.

H. J. ELEY, Secretary.

Wimbledon Hospital,

Thurstan-road, S.W.20.
(General Hospital. 74 Beds.)

RESIDENT MEDICAL OFFICER (Male, of British nationality) required for a period of six months in the first place from 1st April, 1937, eligible for re-election. Salary at the rate of £150 per annum, with board, residence, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications, and experience, together with copies of testimonials, should be sent to the undersigned.

M. M. EDWARDS,
(Mrs. Ashley Edwards), Hon. Sec.

London County Council.

Applications invited from Medical Practitioners to undermentioned positions:—

ASSISTANT MEDICAL OFFICERS (Grade I).—Salary £350–£25–£425, with board, lodging, and washing. Candidates must be Medical Practitioners of at least one year's standing. Experience in resident appointment in general hospital necessary. Married quarters not available.

*(a) HACKNEY HOSPITAL, High-street, Homerton, E.9.—Duties mainly in out-patient casualty department; experience in Minor Surgery and Treatment of Fractures essential.

*(b) MILE END HOSPITAL, Bancroft-road, Mile End, E.1.—Duties mainly Surgical.

*(c) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—General duties, Emergency Surgery, Anæsthetics.

(d) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Duties Obstetrical, Gynæcological.

*(e) ST. MARY ABBOTS HOSPITAL, Marloes-road, Kensington, W.8.—Duties Obstetrical and Gynæcological.

*(f) ST. MARY, ISLINGTON, HOSPITAL, Highgate Hill, N.19.—Duties mainly Medical, Anæsthetics essential, Electrotherapeutics desirable.

(g) ST. OLAVE'S HOSPITAL, Lower-road, Rotherhithe, S.E.16.—Duties General Surgery, Fracture and Orthopædic work; Ear, Nose, and Throat experience desirable.

*No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 22nd March.

Canvassing disqualifies.

London County Council.

RESIDENT MEDICAL SUPERINTENDENTS required at:

(1) ST. GILES' HOSPITAL, Brunswick-square, Camberwell (810 Beds). Salary £1300 by £50 to £1550 and unfurnished house free of rates. Duties may also include those of temporary medical officer of Camberwell Institution and of Peckham Children's Homes at £50 and £25 a year respectively.

(2) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh Hill, Greenwich (634 Beds). Salary £1100 by £50 to £1350 with unfurnished quarters free of rates. Duties also include those of temporary administrative and medical head of St. Alfege's Institution (826 Beds) at £100 a year.

Persons appointed will be under the Medical Officer of Health and must undertake duties at other establishments if so required. Candidates must have been qualified medical practitioners for at least five years, have been house physician or house surgeon in a public general hospital, and be experienced in hospital administration.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Clerk of the Council, County Hall, S.E.1, returnable by 25th March. Canvassing disqualifies.

Westminster Hospital,

Broad Sanctuary, S.W.1.

There is a vacancy for an ASSISTANT MEDICAL REGISTRAR, for six months' duty in the first instance, commencing 1st April, 1937. Salary £100 per annum; non-resident.

Candidates must be registered Medical Practitioners and have held a previous resident appointment in a General Hospital. Seven copies of applications, together with seven copies each of three testimonials, should be sent to the undersigned not later than Friday, 26th March, 1937.

CHARLES M. POWER, Secretary.

Evelina Hospital for Sick Children,

Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, not later than first post on Thursday, 18th March.

W. H. SIDNELL, House Governor.

The Infants Hospital,

Vincent-square, Westminster.

Applications are invited for the post of HOUSE PHYSICIAN (either sex). Salary at the rate of £100 per annum, with board, residence, and laundry.

The appointment is for six months from May 1st. Applications, with copies of testimonials, to be forwarded to the undersigned not later than March 31st.

ALFRED J. SMALL, Secretary.

City of London Hospital for Diseases

OF THE HEART AND LUNGS,
Victoria Park, E.2.
(Bus, Tram and Rail, Cambridge Heath L. & N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of testimonials (three), should be sent to the Secretary on or before Saturday, 3rd April, 1937.

The Willesden General Hospital,

Harlesden-road, N.W.10.

Applications are invited from fully-qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st April, 1937, followed by a six months' appointment as HOUSE PHYSICIAN (total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Thursday, 18th March, 1937.

3rd March, 1937.

Royal Society of Medicine,

1, Wimpole-street, London, W.1.

NICHOLS FELLOWSHIP.

Applications are invited for the above-named Fellowship of two years' duration, which is offered for research relating to "The discovery of the causes and the prevention of death in childbirth from septicæmia."

The Nichols Fellow shall conduct work in an approved institution providing suitable facilities. The emoluments consist of an honorarium of £150 per annum (to be paid quarterly) and a grant of £15 for expenses.

Candidates should apply stating the line and character of the research intended (a wide choice is allowed) and the name of the Professor in whose department they propose to work.

Applications should be received by the Secretary of the Royal Society of Medicine, 1, Wimpole-street, London, W.1, not later than June 1st, 1937.

INDIAN MEDICAL SERVICE

RECRUITMENT OF EUROPEAN OFFICERS

Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

RATES OF PAY.

Years of Service.	Rank.	Basic Pay. Rs. per mensem.	Overseas Pay. £ per month.	Total. £ per annum.
1	Lieutenant.	450	15	585
2	Captain.	500	25	750
3	"	550	25	795
4	"	550	25	795
5	"	600	25	840
6	"	600	30	900
7	"	700	30	990
8	"	700	30	990
9	"	700	35	1050
10	"	700	35	1050
11	Major.	800	35	1140
12	"	800	40	1200
13	"	800	40	1200
14	"	800	40	1200
15	"	800	40	1200
16	"	950	40	1335
17	"	950	40	1335
18	"	950	40	1335
19	"	1100	40	1470
20	"	1100	40	1470
21	Lieut.-Col.	1350	40	1695
22	"	1350	40	1695
23	"	1350	40	1695
24	"	1500	40	1830
25	"	1500	40	1830

Note.—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*

(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

Extras.—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

PENSIONS.

The rates of pensions are as follows:—

	Per annum. £	s.
After 17 years' service for pension	372	0
" 18 " " "	400	0
" 19 " " "	428	0
" 20 " " "	465	0
" 21 " " "	502	0
" 22 " " "	539	10
" 23 " " "	576	10
" 24 " " "	614	0
" 25 " " "	651	0
" 26 " " "	697	10
" 27 " " "	744	0

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in April next, and the selected candidates will be required to join a course of instruction commencing on 1st May, prior to sailing for India about September, 1937. Applications should be submitted as soon as possible.

INDIA OFFICE, March, 1937.

Putney Hospital, Lower Common, S.W.15.

75 Beds. (Including 17 Private Wards.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER. Preference will be given to candidates holding their Fellowship or who have passed their Primary examination. Salary £150 per annum, with considerable emoluments from the private wards.

Applications, stating age, and giving full particulars, together with three recent testimonials, must be received by the undersigned by 23rd March. H. SEYMOUR HADWEN, Secretary.

University College Hospital, Gower-street, W.C.1.

Applications are invited for the honorary post of ASSISTANT SURGEON to University College Hospital in the Ear, Nose, and Throat Department (Royal Ear Hospital).

Applications, accompanied by evidence of fitness for the post, must reach the Secretary by first post on Wednesday, March 31st, 1937.

Further particulars on application.

Evelina Hospital for Sick Children, Southwark, S.E.

Applications are invited for the post of OPHTHALMIC SURGEON to the Hospital. Candidates must be Graduates in Surgery of a recognised University and either a Fellow of the Royal College of Surgeons of England or a Member of the Royal College of Physicians, London. They shall not be engaged in general practice.

The Ophthalmic Surgeon will have charge of beds, and will do one Out-patient Clinic per week. There is an honorarium of fifty guineas attached to the post.

Applications, with copies of not more than four testimonials, should reach the Secretary not later than March 31st.

Candidates will be required to call upon Members of the Medical Staff, whose names, together with the standing orders relating to the post, will be forwarded by the Secretary.

5th March, 1937. W. H. SIDNELL, House Governor.

Seamen's Hospital Society, Greenwich, S.E.10.

The Committee of Management invite applications for the new post of HONORARY ASSISTANT PHYSICIAN in charge of the Psychotherapeutic Department. Candidates must be Doctors or Bachelors of Medicine of an University in the United Kingdom and Fellows or Members of the Royal College of Physicians of London, and must be engaged in Consultant Practice only.

Applications to be sent in immediately to the undersigned from whom further particulars can be obtained.

Greenwich, 8th March, 1937. F. A. LYON, Secretary.

London Homœopathic Hospital

(Incorporated by Royal Charter),
Great Ormond-street, Bloomsbury, W.C.1.
(A General Hospital. 200 Beds.)

APPOINTMENT OF HOUSE PHYSICIAN.

Applications are invited for the appointment of House Physician, vacant April 1st.

The appointment is one of three Resident Medical posts which occur periodicallyduring the year, and is for a period of six months, with salary at the rate of £100 per annum, and board, apartments, and laundry. Candidates must be legally qualified and registered. Selected candidates will be required to attend a meeting of the Medical Committee. Applications, stating age, with copies of testimonials, to be sent to the undersigned immediately. L. J. KNOWLES, Secretary.

Albert Dock Hospital, Connaught-road, E.16. (Seamen's Hospital Society.)

RESIDENT MEDICAL OFFICER required for six months from April 1st. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be Male.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned. F. A. LYON, Secretary.

Seamen's Hospital Society, Greenwich, S.E.10.

Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).—HOUSE PHYSICIAN required for six months from the 1st April. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male and single.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

9th March, 1937. F. A. LYON, Secretary.

Dreadnought Hospital,

Greenwich, S.E.10 (Seamen's Hospital Society).—HOUSE SURGEON required for six months from April 1st. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male and single. Duties include attendance once a week at V.D. Clinic, and charge of V.D. beds for which there is a special honorarium of £25.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

9th March, 1937. F. A. LYON, Secretary.

Samaritan Free Hospital for Women, Marylebone-road, London, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing May 1st next.

Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, must reach the Secretary at the Hospital on or before Tuesday, March 30th. G. H. HAWKINS, Secretary.

British Postgraduate Medical School.

Applications are invited for the post of RESIDENT ANÆSTHETIST on the staff of the British Postgraduate Medical School at Hammersmith Hospital (L.C.C.), Ducane-road, W.12. The appointment will be for six months to commence on 1st April, 1937.

Salary will be at the rate of £150 per annum, with board, lodging, and laundry. Preference will be given to candidates who have held a similar appointment.

Further information can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12, to whom applications, accompanied by testimonials, should be sent to arrive not later than first post on Monday, 22nd March, 1937.

Hospital of St. John and St. Elizabeth, 60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from 1st May, 1937. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, March 30th.

F. DUDLEY HOBBS, B.A., Secretary.

Central London Throat, Nose, and Ear HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.

There is a vacancy for a FIRST ASSISTANT to attend on Saturdays at 11.30 A.M.

The duties are to assist the Surgeon in seeing the patients, and the post is an honorary one.

Applications, which may be for periods of three, six, or twelve months, should be sent to the undersigned immediately.

JOHN H. YOUNG, Secretary-Superintendent.

Royal Hospital, Richmond, Surrey.

JUNIOR HOUSE SURGEON (Male) required to take up duties on April 16th, 1937. Salary at the rate of £100 per annum, with board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. The appointment will be for six months, after which the successful candidate will be eligible for the Senior post.

Applications, stating age, nationality, experience, and copies of three recent testimonials, must be forwarded to the undersigned not later than April 1st, 1937.

G. M. EDEN, Secretary-Superintendent.

Hospital Convalescent Homes, PARKWOOD, SWANLEY, KENT.

(For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Friday, 2nd April, 1937.

County Borough of Stockport.

STEPPING HILL HOSPITAL.
(453 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners for the post of Resident Assistant Medical Officer (Male) at the above Hospital.

Salary £200 per annum, with board, residence, and laundry. The person appointed will be required to devote the whole of his time to the duties of the office.

The appointment is for six months but will at any time be determinable by one month's notice on either side. Experience in Anæsthetics will be a special recommendation.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, are to be sent to the undersigned, endorsed "Assistant Medical Officer," by not later than 10 A.M. on Monday, the 22nd March, 1937.

HARRY BARLOW,
Clerk to the Public Assistance Committee.
Public Assistance Offices, Shaw Heath, Stockport,
8th March, 1937.

Park Prewett Mental Hospital,
BASINGSTOKE, HANTS.

JUNIOR ASSISTANT MEDICAL OFFICER.

The Visiting Committee invite applications from registered Medical Practitioners for the post of Male Junior Assistant Medical Officer, age not exceeding thirty-five years. Preference will be given to applicants who have held an appointment in a General Hospital. Salary £350 per annum, rising by increments of £25 to £450 with furnished apartments, board, laundry, and attendance valued for superannuation purposes at £150 per annum. An extra £50 per annum will be paid on obtaining the D.P.M. The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Form of application, giving fuller particulars, which must be returned by 27th March, 1937, to be obtained from the Medical Superintendent, Park Prewett Mental Hospital, Basingstoke, Hampshire.

Park Prewett Mental Hospital,
BASINGSTOKE, HANTS.

SECOND ASSISTANT MEDICAL OFFICER.

The Visiting Committee invite applications from registered Medical Practitioners holding a Degree or Diploma in Psychological Medicine for the post of Male Second Assistant Medical Officer (married). Gross salary £600 per annum, rising by increments of £25 to £700. Age not to exceed forty. An attractive modern house situated in the Hospital grounds is available at a reasonable rental with coal and electricity at contract rates.

Park Prewett, which has 1450 Beds, is an up-to-date Hospital with modern methods of treatment. There is a detached villa for private patients, and the person appointed would in addition to other duties have charge of this unit.

The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Form of application giving fuller particulars, which must be returned by 19th April, 1937, to be obtained from the Medical Superintendent, Park Prewett Mental Hospital, Basingstoke, Hampshire.

Royal Buckinghamshire Hospital,
AYLESBURY.
(80 Beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty on April 1st, 1937.

The candidate appointed will be eligible to apply for the Senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned not later than March 20th, 1937.

F. G. DAWES, Secretary.

Derbyshire Education Committee.

ASSISTANT SCHOOL MEDICAL OFFICER.
(Male or Female.)

The Derbyshire Education Committee require the services of an Assistant School Medical Officer (Male or Female), at a salary of £500, rising by annual increments of £25 to £700 per annum, together with a travelling allowance in accordance with the county scale.

Candidates must be registered Medical Practitioners of at least three years' standing. The duties will include work under the Maternity and Child Welfare Service. Experience in this work and Mental Deficiency is desirable.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The Officer appointed will not be allowed to engage in private or consultant practice, but will be required to devote his whole time to the duties of the office, and will act under the direction of the School Medical Officer.

Forms of application may be obtained from the undersigned, to whom they should be returned completed, together with copies of not more than three recent testimonials, on or before Wednesday, March 31st, 1937, endorsed "Assistant School Medical Officer."

The appointment will be determinable by three months' notice on either side. W. M. ASH, School Medical Officer.

New County Offices, St. Mary's Gate, Derby,
9th March, 1937.

Newark General Hospital.
(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

Royal Victoria Hospital, Dover.

Wanted, for the 15th April, RESIDENT MEDICAL OFFICER (Male, unmarried), qualified and registered. Salary £180 a year, and board, lodging, and laundry. 60 Beds.

Applications should be sent at once, and must be received not later than the 25th March, addressed to the Hon. Secretary, Royal Victoria Hospital, Dover, on a form to be obtained from him.

THE BARBADOS GENERAL HOSPITAL

Wanted, two (2) duly qualified Medical Practitioners (Males, single preferred) as JUNIOR HOUSE SURGEONS for the Barbados General Hospital (224 Beds). Men who have had experience in the use of Gas and Oxygen Apparatus for the administration of Anæsthetics preferred.

Salary £325 each per annum, with quarters furnished for a single man, free water, lighting allowance, and no local rates. The appointments are for three years, with three months' notice on either side to terminate the engagements. Railway fare from London and first-class passage out (direct from England) will be paid by the Hospital for the full term of service, a proportionate part to be refunded in case of service for a shorter period.

Other conditions of service as regards leave, &c., and copies of the Rules and Conditions of appointments may be obtained from Sir Algernon Aspinall, C.M.G., C.B.E., Secretary of the West India Committee, at his office at 14, Trinity-square, London, E.C.3.

Applications, accompanied by photographs, certificates of perusal of conditions of appointment, recent medical certificates of physical fitness, and professional and other testimonials, stating age and date of graduation, will be received by the Secretary of the Barbados General Hospital up to April 12th, 1937.

Canadian Graduates must hold qualifications registrable in England.

Candidates holding a United States degree must be registered in the State of New York.

By order of the Hospital Board.
J. WARD, Secretary.
General Hospital, Jemmott's-lane, Bridgetown, No. 6,
Barbados, B.W.I.

Cheltenham General and Eye Hospitals.

HOUSE SURGEON WANTED (Male).

The Board of Management invite applications for the post of House Surgeon, whose chief duties will be in the Eye, Ear, and Throat Department. New block to be opened early in April.

Candidates must be of British nationality and fully qualified.

Salary £150 per annum, with board, lodging, and laundry.

The Hospitals are recognised for the F.R.C.S., D.L.O., and D.O.M.S. Examinations.

Applications, with copies of testimonials, to be sent in a sealed envelope, marked "House Surgeon," to the undersigned not later than the 20th March, 1937.

J. CUMMING SMITH, F.C.I.S., Secretary.
The General Hospital, Cheltenham, 9th March, 1937.

North Staffordshire Royal Infirmary,
STOKE-ON-TRENT.
(390 Beds.)

HOUSE SURGEON.

The Committee invite applications for the above post—half duties in casualty. Over 6000 casualties per annum. Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment will be made for six months, renewable.

Eligible for the other resident posts as vacancies arise.

Applications, stating age and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

By order.
W. STEVENSON, Secretary and House Governor.
9th March, 1937.

Royal Gwent Hospital, Newport, Mon.
(210 Beds.)

Applications are invited for the following appointments which will become vacant on April 1st next:—

HOUSE PHYSICIAN. Salary at the rate of £150 per annum, together with board, quarters, and laundry. This appointment includes attendance at V.D. Clinics.

CASUALTY OFFICER. Salary at the rate of £135 per annum, with board, quarters, and laundry.

HOUSE SURGEON. Salary at the rate of £135 per annum, with board, quarters, and laundry.

Each appointment is for a period of six months, terminating on September 30th, 1937.

Applications, together with copies of testimonials, should be addressed to the undersigned.

S. CECIL HILL, Secretary-Superintendent.

Cardiff Royal Infirmary.
Number of available Beds—490.

Applications are invited for the undermentioned posts:—

HOUSE SURGEON—Ear, Nose, and Throat.
HOUSE SURGEON—Ophthalmic.

Salary is at the rate of £100 per annum, with board and lodging for the first post. The Ophthalmic House Surgeon is expected to have some knowledge of refractions, and will be paid at the rate of £40 for the first six months, and if the appointment is renewed for a further six months, £60 will be paid for the second six months, with board and lodging.

Applications, with copies of three recent testimonials, should be sent to the undersigned as soon as possible, as these appointments will commence on 25th March.

9th March, 1937. R. ARMSTRONG, Medical Superintendent.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

It is anticipated that not less than 30 vacancies for MEDICAL OFFICERS will occur in 1937. The majority of these will occur in TROPICAL AFRICA and in MALAYA.

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose, and throat, venereal diseases, &c.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of the officer's salary.

PASSAGES.

Free first-class passages are provided on first appointment and when proceeding on and returning from leave. Assistance is also given towards family passages.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W. 1.

County Council of Middlesex

PHYSICIAN.

Applications are invited from registered Medical Practitioners for the pensionable appointment of Physician to the COUNTY SANATORIUM, HAREFIELD. Applicants are expected to hold high qualifications, and to have devoted themselves wholly or chiefly to the practice of Clinical Medicine, with special experience in the treatment of Pulmonary Tuberculosis.

The successful candidate will work under the direction of the Medical Superintendent, and the whole of his time must be given to his official duties. He must be prepared to act as consultant to general medical practitioners outside the Sanatorium if called upon so to do, to undertake the teaching of post-graduate students if required, and to carry out such other duties as the Council may from time to time direct.

The appointment is non-resident, and the successful candidate will be required to reside within a short distance of the sanatorium. The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £1000 per annum (including living-out allowance of £150 per annum), rising by annual increments of £50 to £1500. The salary is inclusive, and any fees received by the officer appointed must be paid over to the Council.

The Harefield County Sanatorium, which accommodates 378 patients (men, women, and children) has just been completely rebuilt, and embodies many new features in hospital construction.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 20th March, 1937. Application forms are not provided. Envelopes must be endorsed "Physician, Harefield County Sanatorium."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B 3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1,
1st March, 1937.

Norfolk and Norwich, Hospital,

NORWICH. (417 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Special Departments (Ear, Nose, and Throat, and Ophthalmic). Salary £120–£160 per annum (according to experience), with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible. FRANK INCH, House Governor and Secretary.

5th March, 1937.

Leicestershire County Council.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Practitioners (Male) under thirty-five years of age, for the appointment of Assistant County Medical Officer.

Candidates must possess a Diploma in Public Health. The duties of the appointment will be in connexion with the work of the School Medical, Tuberculosis, and Maternity and Child Welfare Services; in addition the Officer will be required to undertake general administrative duties.

The person appointed must devote the whole of his time to the duties of the office, and will carry out such other duties as the County Medical Officer may assign to him.

The salary will be at the rate of £700 per annum rising, subject to satisfactory service, by annual increments of £25 to £750 per annum, with travelling expenses according to the County Council scale.

The appointment is subject to the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

Canvassing of any description will be a disqualification.

Forms of application may be obtained from the undersigned, and must be received, accompanied by copies of not more than three recent testimonials, not later than the first post on Wednesday, 24th March, 1937.

LUCAS E. RUMSEY, Clerk of the Council.

County Offices, Leicester, 1st March, 1937.

Royal Lancaster Infirmary.

(140 Beds.)

Two JUNIOR HOUSE SURGEONS (Male, British, single) required for 1st April, 1937. Salary £130 per annum, with board, residence, and laundry.

The appointment is for six months. Applications, with copies of testimonials, should be addressed to the Hon. Secretary, Royal Lancaster Infirmary.

North Devon Infirmary, Barnstaple.

(70 Beds, including Maternity Ward.)

Wanted, 6th April, duly qualified SOLE RESIDENT MEDICAL OFFICER.

Salary £150 per annum, with board, apartments, and laundry.

Appointment to be for not less than six months. Applications, stating age, qualifications, with copies of testimonials, to be sent to the Secretary.

Margate and District General Hospital.
(98 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male).

Salary £150 per annum, with board and laundry. Duties to commence 1st April, 1937.

Applications, accompanied by copies of testimonials, should be addressed to the Secretary at the Hospital as early as possible.

Richard Murray Hospital, Blackhill,
CO. DURHAM.

HOUSE SURGEON.

Applications are invited for the post of House Surgeon (Male) at the above Hospital which has accommodation for sixteen surgical cases and sixteen maternity cases. The salary offered is £200 per annum, with board, apartments, and laundry in addition.

Applicants will require to have had previous experience as a House Surgeon in a General Hospital, and preference will be given to those with similar experience in a Maternity Hospital.

The appointment is for a period terminating on 31st December, 1937, and is not renewable.

The Hospital is served by a Visiting and Consultant Surgeon and a Visiting and Consultant Obstetrician.

So far as the Maternity Unit is concerned, the person appointed will be subject to the administrative control of the County Medical Officer of Health.

The duties will include the medical supervision of an adjacent small Convalescent Home for mothers and young children.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, must be received by the undersigned not later than 20th March, 1937.

T. W. ADDISON, Secretary to the Richard Murray Hospital Joint Board.

Shire Hall, Durham, 2nd March, 1937.

The Bolton Royal Infirmary.
(315 Beds, including two Auxiliary Hospitals.)

Applications are invited from gentlemen for the post of ASSISTANT RESIDENT SURGICAL OFFICER.

The duties of the Assistant R.S.O. comprise responsibility for the whole of the Casualty and Orthopædic Departments and to deputise for the R.S.O in his absence.

The post is recognised by the Royal College of Surgeons of England for the Final Fellowship Examination.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, nationality, and previous experience, together with copies of testimonials, should be forwarded to the undersigned not later than March 16th, 1937.

G. A. HUGHES, Secretary.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health, and have had experience in the Medical Inspection of School Children, Maternity and Child Welfare, and the conduct of a Venereal Diseases Clinic. The officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work. Salary £600 per annum, rising by annual increments of £20 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and of the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointments may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed form and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application form may be obtained, and to whom any enquiries relating to the appointment should be addressed.

Last day of receipt of applications, 20th March, 1937.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames, 1st March, 1937.

City and County of Newcastle-
UPON-TYNE.

NEWCASTLE GENERAL HOSPITAL. (795 Beds.)

ONE HOUSE SURGEON (MALE).

The above post will become vacant on the 1st April, 1937, and applications are invited from duly qualified and registered Medical Practitioners.

The salary in respect of the appointment, which is tenable for six months, is at the rate of £150 per annum, with board, lodging, &c.

Applications, stating age and qualifications, together with copies of not more than three recent testimonials, must be submitted to the Medical Officer of Health, Town Hall, Newcastle-upon-Tyne, 1.

2nd March, 1937.

Bethlem Hospital, Monks Orchard,
EDEN PARK, BECKENHAM, KENT.

Wanted, Two RESIDENT HOUSE PHYSICIANS (Gentlemen, unmarried), recently qualified in Medicine and Surgery.

The term of residence is usually for six months. Apartments, board, and laundry provided. To each Officer an honorarium at the rate of £150 per annum will be paid for the first three months, rising thereafter to the rate of £200 per annum.

Written applications, with testimonials, to be forwarded to the Physician-Superintendent at the Hospital, from whom copies of the duties can be obtained.

Victoria Hospital, Burnley.
(150 Beds.)

HOUSE SURGEON (MALE).

Applications are invited for the above post, which will become vacant on the 31st March next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if confirmed, the salary for the second six months will be at the rate of £200 per annum.

Applications, with full details of qualifications and experience, and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

The Liverpool Sanatorium,
DELAMERE FOREST, FRODSHAM, VIA WARRINGTON.

(175 Beds for the treatment of patients suffering from Pulmonary Tuberculosis.)

SENIOR ASSISTANT TO THE MEDICAL SUPERINTENDENT.

Applications are invited from Male Medical Practitioners with suitable qualifications for the above named appointment. Candidates must be unmarried and preference will be given to applicants who have held resident medical appointments since qualification, and have had practical institutional experience in the treatment of Pulmonary Tuberculosis.

Salary will be at the rate of £325 per annum, with board, quarters, and laundry.

The appointment is normally tenable for twelve months but may be extended.

Particulars of duties and full information, together with forms of application, can be obtained from the Medical Superintendent.

Forms completed with copies of three recent testimonials should be returned as early as possible to the Medical Superintendent, the Liverpool Sanatorium, Delamere Forest, Frodsham, via Warrington.

Manchester Royal Eye Hospital.

JUNIOR HOUSE SURGEON will be required on the 1st April. Salary £120 per annum, with residence, board, &c.

Applications (with copies of testimonials), endorsed "House Surgeon," to be addressed to the Chairman of the Board of Management. H. R. NORTH, Gen Supt. and Secretary.

County Borough of Ipswich.

MEDICAL OFFICER OF HEALTH.

The Council invite applications from persons not exceeding forty-five years of age for the appointment of Medical Officer of Health for the Borough.

The commencing salary will be at the rate of £1000 per annum, together with a motor-car allowance of £60 per annum.

The person to be appointed must be a legally qualified Medical Practitioner and registered in the Medical Register as the holder of a Diploma in Sanitary Science, Public Health or State Medicine.

The appointment will be subject to the approval of the Minister of Health and the Board of Education, to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the successful candidate passing the necessary medical examination.

The person appointed must reside within the Borough. The appointment is terminable by three calendar months' notice in writing on either side.

The person appointed will be responsible for the performance of all the duties imposed on the Medical Officer of Health under relevant Acts, Orders and Regulations, and required to act as School Medical Officer, Administrative Tuberculosis Officer, Medical Superintendent of the Maternity and Child Welfare Centres, the Maternity Home, the Isolation Hospital and the Small Pox Hospital, Medical Officer to the Port Sanitary Authority, Medical Examiner of Entrants to the Council's Service, and to perform such other duties as may from time to time be prescribed by the Council. He must devote his whole time to the duties of the Office, and will not be allowed to engage in private practice.

Forms of application and particulars with regard to the appointment may be obtained from the Medical Officer of Health, Public Health Department, Elm-street, Ipswich, and applications must be delivered to the undersigned not later than 12 noon on 31st March, 1937, in an envelope marked "Appointment of Medical Officer of Health."

Canvassing members or officers of the Council in any manner whatsoever is prohibited and will disqualify candidates.

A. MOFFAT, Town Clerk.

Town Hall, Ipswich, 27th February, 1937.

Burton-on-Trent General Infirmary.

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry. There are three residents.

Applications, giving age and qualifications, together with copies of testimonials, to be sent to E. W. THORNLEY, Secretary.

Burslem Haywood and Tunstall War MEMORIAL HOSPITAL, HIGH-LANE, TUNSTALL, STOKE-ON-TRENT.

Applications are invited for the following post of RESIDENT HOUSE PHYSICIAN. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months in the first instance, re-appointment may be applied for.

Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry. The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

The Royal Eye and Ear Hospital, BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

City of Nottingham.

APPOINTMENT OF RESIDENT MEDICAL SUPERINTENDENT OF THE CITY HOSPITAL AND MEDICAL OFFICER OF THE CITY INSTITUTION.

The Nottingham City Council invite applications from duly qualified persons for the appointment of Resident Medical Superintendent of the City Hospital, and Medical Officer of the City Institution.

Salary £1000 per annum. An unfurnished house, free of rent and rates, will be provided, but no other emoluments are offered.

The person appointed will not be allowed to engage in private practice, and all fees received by him will be required to be paid to the Council.

The duties will be carried out under the general supervision and control of the Medical Officer of Health.

Applicants, in addition to possessing the usual professional qualifications, must have held the position of House Physician or House Surgeon in a public general hospital, and have had considerable experience as a Medical Officer in a Poor Law Infirmary or similar Institution. Administrative experience and ability is essential.

Further particulars as to the terms of the appointment and of the duties to be performed in connection therewith, may be obtained on application to me, the undersigned, and the successful candidate will be deemed to have had notice of, and to have accepted, such terms.

The appointment will be subject to the Superannuation Scheme in force, and the successful candidate will be required to pass a Medical Examination.

Applications, stating age, qualifications, and full particulars of present and past experience, together with copies (which will not be returned) of not more than three recent testimonials, endorsed "Resident Medical Superintendent," to be delivered at my office not later than the 22nd March next.

Canvassing, whether directly or indirectly, is prohibited, and will be deemed a disqualification.

Dated this 26th day of February, 1937.

Guildhall, Nottingham. J. E. RICHARDS, Town Clerk.

County Borough of Barrow-in-Furness.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications are invited for the above appointment at an inclusive salary at the rate of £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700 per annum.

Candidates must be fully qualified and registered Medical Practitioners and possess the Diploma in Public Health.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed will be required to pass a medical examination.

Forms of application and particulars of the duties may be obtained on application to the Medical Officer of Health, Town Hall, Barrow-in-Furness, and completed applications, endorsed "Assistant Medical Officer of Health," accompanied by copies of not more than three recent testimonials, must be returned to my office not later than first post on Monday, the 22nd March, 1937.

Canvassing, either directly or indirectly, will be deemed a disqualification. W. LAWRENCE ALLEN, Town Clerk.

City of Nottingham.

ASSISTANT MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE WORK.

Applications are invited for the above post from Women Medical Graduates experienced in Practical Midwifery and Ante-natal and Infant Welfare Work.

The duties will be chiefly in the ante-natal and infant welfare clinics under the administrative control of the Medical Officer of Health.

Salary £500, rising by annual increments of £25 to £700. The salary is subject to deductions under the Superannuation Scheme of the Corporation. The successful candidate will be required to submit to a medical examination and to reside within the City of Nottingham.

Application forms may be obtained from the undersigned, and must be returned to me not later than March 22nd. Canvassing will be a disqualification.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 24th February, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)
(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

Ancoats Hospital, Manchester.

This Hospital is recognised by the Royal College of Surgeons (England) for its Surgical Practice.

HOUSE SURGEON (General) required to commence duty on 1st April. Appointment for six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, previous experience (if any), to be forwarded to the undersigned on or before 16th March, together with copies of three recent testimonials.

By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

County Mental Hospital, Lancaster.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Lady).

Candidates must be single and under thirty-five years of age. Commencing salary £500, rising by annual increments of £25 to £600, with further increase on promotion, subject to a deduction of 3 per cent. under the Asylum Officers' Superannuation Act. There are no emoluments.

The selected candidate will be required to live in the Hospital, and she will be provided with board, lodging, &c., for which a charge of £150 a year is made.

The possession of a Diploma in Psychological Medicine will entitle the Officer to an additional £50 per annum.

Applications, giving full particulars, with testimonials (copies only), should be forwarded at once to the Medical Superintendent.

Borough and Port Sanitary District of LOWESTOFT.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

The Town Council of Lowestoft hereby give notice that they intend at an early date to appoint a Medical Officer of Health and School Medical Officer for the above-named Borough and Port Sanitary District, and they invite applications for the appointment.

The salary will be at the rate of £900 per annum, rising, subject to satisfactory service, by annual increments of £33 6s. 8d., to a maximum of £1000 per annum, which salary will be apportioned in respect of the various offices.

An allowance of £60 per annum will be paid if the officer regularly uses his own car in the service of the Council.

Further particulars of the duties, terms, and conditions of the appointment, together with a form of application, may be obtained by sending a stamped and addressed envelope to the undersigned. Application must be made on the prescribed form and enclosed in a foolscap envelope endorsed "Medical Officer," and must reach the undersigned not later than Friday, 19th March, 1937.

Canvassing, directly or indirectly, will be deemed a disqualification.

By order,
C. ASHTON STRAY, Town Clerk.

Town Hall, Lowestoft, 3rd March, 1937.

Nottingham and Midland Eye INFIRMARY.

RESIDENT HOUSE SURGEON required end of March. 56 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry.

Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

Royal Devon and Exeter Hospital,
EXETER.

HOUSE SURGEON (MALE) TO THE EAR, NOSE AND THROAT DEPARTMENT.

Applications are invited for this post, which becomes vacant on April 1st.

The appointment is for six months, but candidates are eligible for re-election.

Salary at the rate of £150 per annum, with board, lodging, and washing.

Applications, giving particulars as to age and qualifications, together with copies of three recent testimonials, should be sent to the undersigned on or before Tuesday, 16th inst.

S. S. COLE, Secretary and Manager.

2nd March, 1937.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.
(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of DEPUTY MEDICAL SUPERINTENDENT at the above-named hospital. Age limit forty-five years.

Salary £550 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than March 20th, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd March, 1937.

Royal Berkshire Hospital, Reading.
(338 Beds.)

Applications are invited for the following resident appointments:—

One HOUSE SURGEON (Male)—immediately.

One CASUALTY OFFICER (Male)—immediately.

One HOUSE SURGEON to the Special Departments (Eye, Ear, Nose, and Throat) (Male)—vacant May 1st.

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £125 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

Royal Halifax Infirmary.
(250 Beds.)
Hospital recognised by the Royal College of Surgeons (England).

Wanted, a SECOND HOUSE SURGEON (Male, unmarried). Candidates must be duly qualified and registered. The appointment will be from 11th March to 30th September, 1937. Salary, including all services required in connexion with Paying Patients' Ward, £175 per annum, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer and three House Surgeons. The Hospital contains 250 Beds, including Maternity Department, and Paying Patients' Block. There is also a Pathological Department, Radiological Department, Radium Clinic, and a large Eye, Ear, Nose, and Throat Department.

The Third House Surgeon is not an applicant for the post.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age, nationality, &c., together with testimonials, should be sent.

1st March, 1937. A. MIDGLEY, Secretary.

Kent and Canterbury Hospital,
CANTERBURY.
(Recognised by Royal College of Surgeons for Study for Fellowship.)
(137 Beds.)

HOUSE SURGEON (Male, unmarried), for General and Ear, Nose, and Throat work. To commence duty immediately. Six months' appointment. Salary payable at the rate of £125 per annum, with board, residence, and laundry. There are two other resident medical officers.

Applications, stating age and particulars of qualifications, together with copies of testimonials, should be forwarded to the undersigned at once. S. I. WARD, Secretary.

Beckett Hospital and Dispensary,
BARNSLEY.
(153 Beds.—4 Residents.)

Applications are invited for the post of JUNIOR HOUSE SURGEON (Male), duties mainly surgical, ear, nose, and throat work, and anæsthetics. Candidates must be fully qualified and registered.

Salary £200 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, accompanied by testimonials, should be addressed to the undersigned.

ARTHUR L. BOURNE, Superintendent and Secretary.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of HOUSE SURGEON (Male) to the Ophthalmic and Ear, Nose, and Throat Departments, vacant March 15th.

Salary at the rate of £150 per annum, plus board, residence, and laundry.

The post is recognised by the Conjoint Board of the Royal Colleges for the Clinical work required in the regulations for the Diplomas in Ophthalmic Medicine and Surgery, and Laryngology and Otology.

The appointment will be for six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

1st March, 1937. R. J. CARLESS, House Governor.

Swansea General and Eye Hospital.
(336 Beds.)

HOUSE PHYSICIAN Wanted. Gentleman, single. Salary £150 per annum, with board, residence, and laundry. Appointment for six months.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

Southend-on-Sea General Hospital.
235 Beds. 7 Residents.
Hon. Specialist Staff of 19 members.

Applications are invited for the posts of
HOUSE PHYSICIAN.
HOUSE SURGEON (including work in one Special Department).

Duties to commence on 1st April.

The appointments are for six months. Salary at the rate of £100 per annum, with board, &c., provided. Candidates must be registered (Male) practitioners.

Applications, together with copies of two recent testimonials, should be sent to the undersigned not later than 24th March.

P. H. CONSTABLE, Secretary.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £150 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be sent on or before the 22nd instant. J. KENYON, Secretary.

Victoria Hospital, Accrington.

Victoria Hospital, Burnley.
(150 Beds.)

HOUSE PHYSICIAN (MALE).

Applications are invited for the above post, which will become vacant on the 31st March. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board residence, and laundry. At the end of this period, re-appointment may be applied for, and, if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

County Borough of Halifax.

THE HALIFAX GENERAL HOSPITAL.

MEDICAL SUPERINTENDENT (MALE).

Applications are invited from fully qualified registered Medical Practitioners for the appointment of Medical Superintendent at the Halifax General Hospital, Halifax.

The Hospital has accommodation for 400 patients, mainly medical, surgical, and maternity cases.

The salary will be £800 per annum, rising by biennial increments of £50 to a maximum of £950, with residence and emoluments valued at £150 per annum.

Experience in administrative hospital work is essential.

The person appointed will be required to devote the whole of his time to the duties of his office, and will not be allowed to engage in private practice.

Forms of application and further particulars of the duties and conditions of the appointment may be obtained from the undersigned.

Applications on the prescribed form, accompanied by copies of three recent testimonials, must be sent to me endorsed "Medical Superintendent" not later than Monday, 29th March, 1937.

Canvassing, either directly or indirectly, will disqualify.

The Council has not adopted a Superannuation Scheme.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 8th March, 1937.

City of Birmingham.

MENTAL DEFICIENCY ACT COMMITTEE.

MONYHULL COLONY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Resident Assistant Medical Officer (Male) in the above Colony. Candidates should have held house appointment in a General Hospital. The appointment is for a single man. Preference will be given to one with some mental experience.

The scale of salary is £350 by £25 to £450 per annum, with full residential emoluments and a further £50 per annum is payable for a recognised post-graduate qualification in psychological medicine.

After a period on probation and the passing of a satisfactory medical examination the appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. All fees and emoluments received other than the above must be repaid to the City Council.

Applications, with full particulars, to be sent to the undersigned. F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 8th March, 1937.

The Royal Infirmary, Bradford.

Two HOUSE PHYSICIANS (Male), Three HOUSE SURGEONS (Male), and One CASUALTY HOUSE SURGEON (Male) wanted for 1st May. Six months' appointments. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and washing. There are 345 beds and ten resident officers.

Applications, stating age, qualifications, and previous experience, witn copies of recent testimonials, should be sent to the undersigned not later than March 23rd.

5th March, 1937. J. J. BARRON, Secretary-Superintendent.

The Royal Infirmary, Sunderland.

(365 Beds.)

CASUALTY OFFICER required to take up duties on 1st April. Salary at the rate of £150 per annum, with board, residence, laundry, &c.

The successful applicant will be required also to act as House Surgeon to the Ear, Nose, and Throat Department.

Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned not later than 19th March, 1937.

The Infirmary possesses modern equipment and has up-to-date Pathological and X Ray Departments. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months training required of candidates before admission to the Final Examination for the Fellowship.

J. A. BEARDSALL, House Governor and Secretary.

Doncaster Royal Infirmary and DISPENSARY.

(185 Beds.)

(Recognised under the Regulations for the Diploma in Anæsthetics.)

RESIDENT ANÆSTHETIST (Male) wanted immediately. The appointment is for six months. Salary at the rate of £175 per annum, with board, residence, and laundry.

Applications, accompanied by not more than three recent testimonials, to be sent to the Secretary-Superintendent.

Leicester Royal Infirmary.

(500 Beds.)

RESIDENT RADIOLOGIST.

Applications are invited for the above newly created post.

The successful candidate will be expected to act as House Physician to the Radiologist and assist in the diagnostic and therapeutic sides of the X Ray Department.

The appointment is for six months, in the first instance, and the salary is at the rate of £200 per annum, together with board, residence, and laundry.

Candidates should hold the D.M.R.E. Diploma.

Applications, giving full particulars as to age, qualifications, experience, and accompanied by not more than three testimonials, should reach the undersigned not later than April 3rd. The appointment will be made on April 21st.

GEO. W. COOLING, House Governor.

Ancoats Hospital, Manchester.

This Hospital is recognised by the Royal College of Physicians for its Medical Practice.

RESIDENT MEDICAL OFFICER required to commence duty on the 16th April. Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous experience in a similar position necessary. The appointment includes the supervision of the Medical Beds and assistance in the work of the Medical Out-patients' Clinics.

Applications, stating age, qualifications, experience, and full particulars of the appointments held, to be forwarded to the undersigned on or before 31st March, together with copies of three recent testimonials.

By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Boston General Hospital.

(70 Beds.)

RESIDENT MEDICAL OFFICER (Male) required to commence in April.

Salary £150 per annum, with board, residence, and laundry

The appointment is for six months, and is renewable.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, should be sent to the undersigned immediately. GORDON EASTO, Secretary.

City of Manchester.

WITHINGTON HOSPITAL.—(1293 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than the 24th March, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 4th March, 1937.

University of Oxford.

LORD NUFFIELD'S BENEFACTION.

ASSISTANT DIRECTOR OF PATHOLOGY.

Applications are invited for the whole-time post of Assistant Director of Pathology.

The Assistant Director will carry out work at the Radcliffe Infirmary under conditions to be agreed upon by the Nuffield Committee and the Governors of the Infirmary. He will be expected to enter on the duties of his office not earlier than 1st August, 1937. The stipend offered is £1000 a year. The Assistant Director will be required to become a member of the Federated Superannuation System for Universities.

The Committee will propose to the University that the title of "Nuffield Reader in Pathology" be conferred upon the Assistant Director.

Candidates, who must hold a medical qualification registrable in Great Britain, are requested to send fifteen copies of their applications, with the names of not more than three referees and of any testimonials which they may desire to submit, to the Secretary of Faculties, University Registry, Oxford, by 26th April, 1937. Envelopes should be marked "Pathology" in the top left-hand corner.

Inquiries about the post should be addressed to the Secretary of Faculties.

The choice of the Committee will not necessarily be limited to those who apply.

County Borough of Bootle.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications are invited for the appointment of Assistant Medical Officer of Health and Assistant School Medical Officer (Male). The salary will be within the scale of £500 per annum, rising by annual increments of £25 to £700 per annum, the commencing salary to be fixed according to the previous experience of the person recommended for appointment. Particulars of the duties and forms of application may be obtained from the Medical Officer of Health, Town Hall, Bootle.

Applications, accompanied by copies only of not more than three testimonials, must be returned to the Medical Officer of Health not later than the first post on 24th March, 1937.

Canvassing, either directly or indirectly, will disqualify candidates. HAROLD PARTINGTON, Town Clerk.

Town Hall, Bootle, 5th March, 1937.

City of Manchester.

ASSISTANT TUBERCULOSIS OFFICER.

The Public Health Committee invites applications for the position of Assistant Tuberculosis Officer at a commencing salary of £650 per annum, rising by annual increments of £25 to £750 per annum.

Candidates must be registered Medical Practitioners having special knowledge of Medical and Surgical Tuberculosis, and should state whether they possess the Diploma of Public Health.

Applications (no special form is issued), stating age, qualifications, and experience, with copies of not more than three recent testimonials, and endorsed on the envelope "Assistant Tuberculosis Officer," must be addressed to the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and not to members of the Committee or Council, and must be received by him not later than 31st March, 1937.

The gentleman appointed will be under the administrative control of the Medical Officer of Health, and the immediate control of the Senior Tuberculosis-Officer. He will be required to devote the whole of his time to the duties of his position, to execute the Deed of Service, and to contribute to the Corporation Superannuation Fund.

Canvassing in any form, direct or indirect, oral or written, is prohibited. F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 5th March, 1937.

Harlow Wood Orthopædic Hospital,
Near MANSFIELD, NOTTS. (155 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male). The salary is at the rate of £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated Hospitals and Out-patient Clinics, and commence on 1st May, 1937. The appointment will be for six months and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary not later than 25th March, 1937.

The Gloucestershire Royal Infirmary
AND EYE INSTITUTION, GLOUCESTER.
(225 Beds. Five residents.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment is for six months, which may be extended for similar periods by re-election from time to time.

Applications, stating age, qualifications, experience, and nationality, with copies of not less than three recent testimonials, should be sent to the undersigned not later than Wednesday, March 24th.

The elected candidate will be required to enter upon his duties on March 31st. F. J. SYMONS, Secretary.

March 11th, 1937.

York Dispensary.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Female), to commence duties 1st May.

The resident staff consists of two medical officers, whose duties are to visit and attend the sick poor in their own homes, and to assist the honorary staff. Candidates must be duly qualified, registered, and unmarried. Some experience of the administration of anæsthetics is essential. Salary £175 per annum, with board, lodging, and attendance, and allowance for laundry.

Applications, with testimonials, to be sent on or before March 27th to— JOHN C. PETERS, Secretary.

4, New-street, York.

North Riding Infirmary,
MIDDLESBROUGH.
(General Hospital. 143 Beds. Three Residents.)

CASUALTY OFFICER required for a period of six months from 1st April, 1937. (Third H.S. and H.P. is an applicant.)

The appointment will be for not less than six months and renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates, who must be Male, unmarried, and of British nationality, are asked to state whether they are prepared to apply for the combined post of THIRD HOUSE SURGEON AND HOUSE PHYSICIAN (£140 per annum) in the event of the present Resident being appointed.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON required for Orthopædic and Fracture Department, duties to commence 1st April, 1937. The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 8th March, 1937.

City of Nottingham.

ASSISTANT MEDICAL OFFICER IN THE VENEREAL DISEASE CLINICS.

The Corporation invite applications for the above position from Male Medical Graduates who have gained special experience in venereal disease work.

The successful candidate will be required to give his whole time to the service of the Corporation and will not be allowed to undertake any other work or to accept fees (with the exception of fees, if any, for lecturing or teaching out of duty hours).

Salary £500 per annum, rising by annual increments of £25 to a maximum of £700, subject to deductions under the Corporation's Superannuation Scheme. The officer will be required to pass a Medical Examination and to reside within the City boundary.

Further particulars will be forwarded, with forms of application, which may be obtained from the undersigned. Applications must be received not later than the 31st March, 1937.

J. E. RICHARDS, Town Clerk.

The Guildhall, Nottingham, 8th March, 1937.

City and County of Newcastle-upon-Tyne.

CITY HOSPITAL FOR INFECTIOUS DISEASES.

RESIDENT MEDICAL ASSISTANT (MALE).

Applications for the above appointment are invited from duly qualified and registered Medical Practitioners who possess a practical knowledge of Bacteriology. The holding of a previous resident appointment will be considered a recommendation.

Salary £350 per annum, with board, lodging, &c.

The appointment is for a period of one year only.

Applications on the prescribed form, which can be obtained on application to the Medical Officer of Health, Town Hall, Newcastle-upon-Tyne, 1, must be submitted not later than Wednesday, 31st March, 1937.

8th March, 1937.

The Children's Hospital, Sheffield.
(140 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN, vacant 8th April, 1937.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

City of Bradford.

MUNICIPAL GENERAL HOSPITAL, ST. LUKE'S.

HOUSE PHYSICIANS and HOUSE SURGEONS required. Salary in each case £150 per annum, plus board and lodgings. These appointments are for six months, renewable for a further period of six months.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 19th March, 1937.

Town Hall, Bradford. N. L. FLEMING, Town Clerk.

Wilts County Council.

MENTAL DEFICIENCY ACTS, 1913–1927.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER.

The Wilts County Council invites applications for the post of an Assistant Medical Officer to act as Medical Officer of the Council's three Mental Deficiency Institutions comprising in the aggregate 350 Beds at Pewsey, Purton and Wilton.

Applicants must be fully qualified Medical Practitioners, and must have had special experience in mental deficiency and of mental deficiency institutions. A Diploma in Psychological Medicine is desirable.

The Officer appointed will be responsible to the Medical Officer to the Committee for the Care of the Mentally Defective and be under the administrative control of the County Medical Officer. He will be required to devote his whole time to the duties of the office. The duties of the post will be chiefly concerned with the institutions mentioned above, and with other mental deficiency work, but the Officer may be required to perform other duties for which he may be qualified, at the discretion of the County Medical Officer.

The salary will be £700 per annum, rising by annual increments of £25 to a maximum of £800 per annum, to be revised proportionately if a residence is provided at the Pewsey Colony. The salary will be subject to deduction under the appropriate Superannuation Act. Travelling expenses in accordance with the County Scale will be paid.

The appointment will be terminable by three months' notice on either side.

The candidate selected will be required to pass a medical examination.

Applications on forms to be obtained from the undersigned, together with copies of not more than three recent testimonials, and enclosed in an envelope marked "Assistant Medical Officer" to be lodged with the undersigned by not later than the first post on the 25th March, 1937.

Canvassing, either directly or indirectly, will disqualify.

W. L. BOWN, Clerk of the County Council.

County Offices, Trowbridge, 8th March, 1937.

Preston and County of Lancaster
ROYAL INFIRMARY.

Applications are invited from unmarried gentlemen, doubly qualified and registered, for the post of CASUALTY HOUSE SURGEON (vacant 1st April next). Duties in Out-patients' Department and under Orthopædic Surgeon and two Assistant Surgeons. Number of Resident Staff seven.

Salary at the rate of £150 per annum, with board, residence, and laundering.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to Mr. JOHN GIBSON, Superintendent and Secretary, as soon as possible.

9th March, 1937.

Hull Corporation Health Department.

HULL CITY HOSPITAL.

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment at the Hull City Hospital for Infectious Diseases, Cottingham.

The appointment is open to registered Medical Practitioners of either sex, who must be single, not more than forty years of age, and have had experience in general hospital work. Possession of the Diploma in Public Health, or similar qualification, and previous experience in a fever hospital will be regarded as additional qualifications.

The appointment is for a period of one year, and the salary is £350 per annum, together with board, laundry, and residence. The appointment may be extended for more than one year, in which case the salary, subject to satisfactory service, will be increased by annual increments of £25 to a maximum of £450 per annum.

The appointment is not designated under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, are returnable not later than 10 A.M. on Tuesday, March 30th, 1937. NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, March, 1937.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

Typewriting. — Specialists in typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Assistantship West Country offered. Preferably married, about thirty-five. Salary, car allowance, and free house. Locums will be required for the Summer. — Ronald Beckton & Co., Medical Agency, 21, Southernhay West, Exeter.

Would Doctor suggest Honorary Secretary for established love-of-country organisation. Suit keen, independent semi-invalid, with staying power and initiative.—Address, No. 197, THE LANCET Office, 7, Adam street, Adelphi, W.C.2.

Lady (21) seeks post Receptionist; light secretarial duties, &c., with Medical Man or Partnership in or near London. Good appearance and of good family. 40s. per week.—Address, No. 196, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Secretary-Receptionist.—Young Lady, well educated, matriculation. Good elocution, shorthand-typist, and with nursing experience, desires post, Doctor or Dentist, London.—Address, No. 199, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

German Girl, 20, seeks Position

("au Pair" as)

MEDICAL LABORATORY ASSISTANT (qualified)

in a Doctor's House.

Will give German lessons also.

Dr. HARTNACKE, Dresden, Elbstr. 3.

Hon. Dentist wanted, one afternoon a week, for West End Settlement.—Apply, O. L., 31, Alfred-place, W.C.1.

London. — Cora Hotel, Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Harley Street and District.—A number of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 10, Henrietta-street, Cavendish-square, W.1. Lang. 2601.

ESTABLISHED 1860.

BEDFORD & CO.

(C. E. BEDFORD, F.S.I., F.A.I.),

CHARTERED SURVEYORS, AUCTIONEERS & ESTATE AGENTS

10, Wigmore Street, Cavendish Square, W.

SPECIALISTS IN PROFESSIONAL HOUSES AND CONSULTING ROOMS in Harley-st., and leading medical position.

Telephone: Langham 3927–3928.

ESTABLISHED 1845.

ELLIOTT, SON AND BOYTON

(H. E. Allpress, F.S.I., F.A.I., H. C. Rowe, F.S.I.),

6, VERE STREET, CAVENDISH SQUARE, W.1,

Estate Agents, Auctioneers, and Surveyors,

are the BEST LOCAL AGENTS for HOUSES and CONSULTING ROOMS in the Harley, Wimpole, Queen Anne, and other Streets in the Cavendish-square district. Valuations for all purposes.

Telephone: 3204 MAYFAIR.

Consulting Rooms.—Euston Road.— Three Rooms, first floor, above Chemist. Suitable for panel and general. Moderate rent.—Apply, Norfolk & Prior, 14, Hay Hill, Berkeley-square. Mayfair 6363.

Consulting Suite of Two Spacious Rooms and Waiting-room now available on ground floor of a fine House close to Portman-square. Central heating. Alterations will be made to meet tenant's requirements.—Address, No. 193, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted, Unfurnished, June quarter, Ground Floor and Basement, Three good CONSULTING ROOMS and Two WORKSHOPS for Dentists in Harley-street, Wimpole-street, or Portland-place.—Apply, No. 192, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Consultation Room required, Unfur- nished, Harley-street. Reasonable terms.—Address particulars to No. 194, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wimpole-street. — Excellent newly- decorated First-floor Large CONSULTING ROOMS with Secretary's Room. Rental £175 per annum. Service recommended.—Bertram & Co., 43, New Cavendish-street, W.1. Welbeck 3703/4.

Parliament Hill Fields, N.W.—Charm- ing semi-detached HOUSE for Sale or to Rent. Particularly well placed and well adapted for Medical man.

Write, Box 266, Sells Advertising, 14, Lancaster-place, Strand, W.C.2.

Ilford.—For Sale, Corner Freehold HOUSE, ideally suitable for Doctor, lounge hall, dining-room, lounge, conservatory, all of unusually large dimensions, four bedrooms, brick-built garage at rear, situate in best-class residential neighbourhood where the requirements of the population are not adequately served. Price includes curtains, electric light fittings and lines, 95% mortgage could be arranged. Bargain £1575.—89, Glenwood-gardens, Ilford. Telephone: VAL 1983.

Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

X-Ray Apparatus for Sale. Recent manufacture and in perfect condition. Particulars supplied.—Address, No. 195, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

PATENTS AND DESIGNS ACTS, 1907 to 1932.

Notice is hereby given that Henry Kapferer, of 40, rue de Buzenval, Boulogne-sur-Seine (Seine-France), seeks leave to amend the Specification of the Application for Letters Patent No. 457,231 for an invention entitled "Shelter for protection against gas warfare."

Particulars of the proposed amendment were set forth in No. 2512 of the Official Journal (Patents), published on March 10th, 1937.

Any person, or persons, may give Notice of Opposition to the amendment by leaving Patents Form No. 19 at the Patent Office, 25, Southampton Buildings, London, W.C.2, within one calendar month from the date of publication of the said Journal. M. F. LINDLEY, Comptroller-General.

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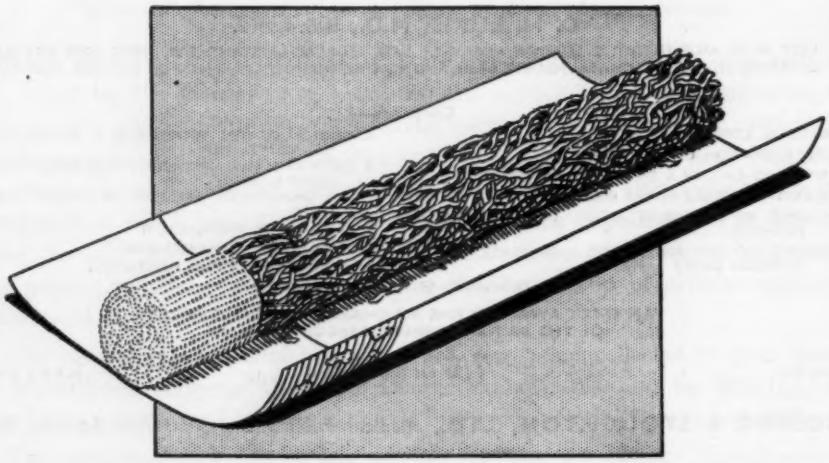

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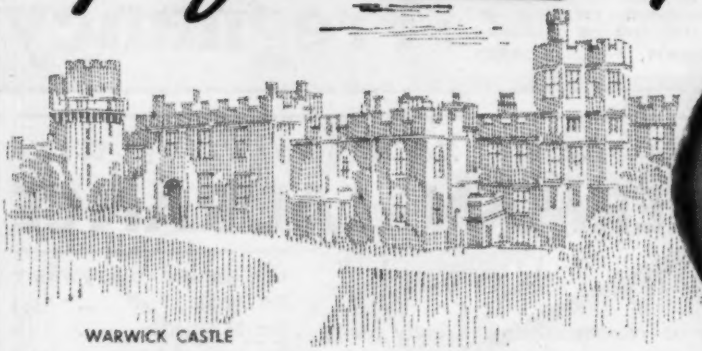

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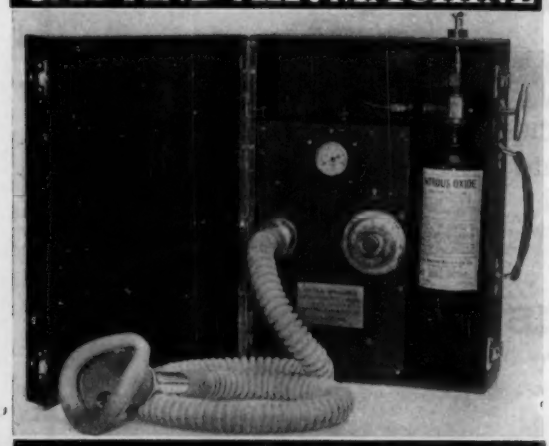

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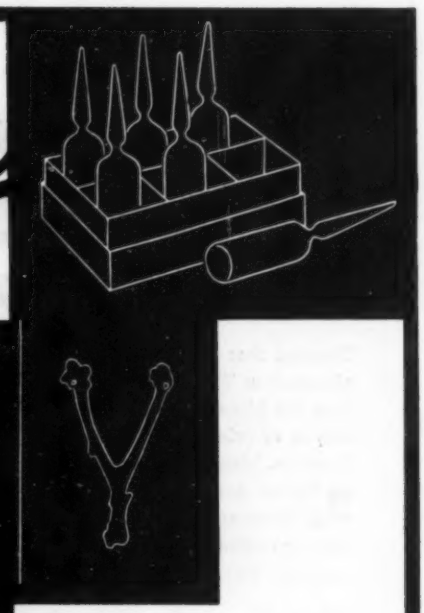

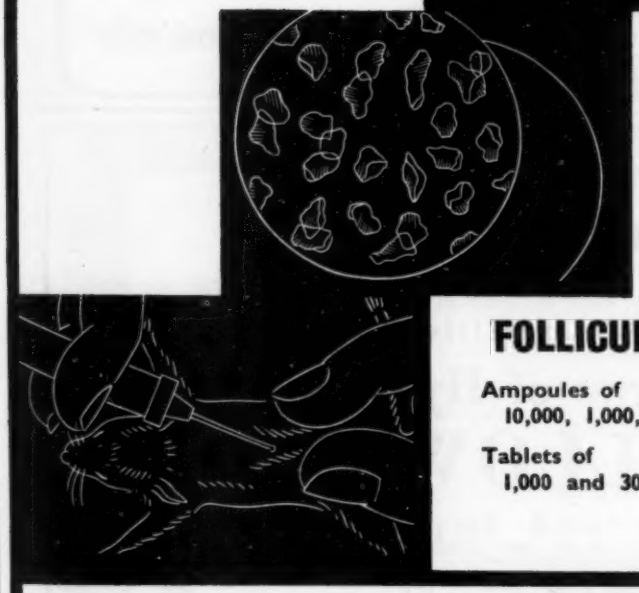

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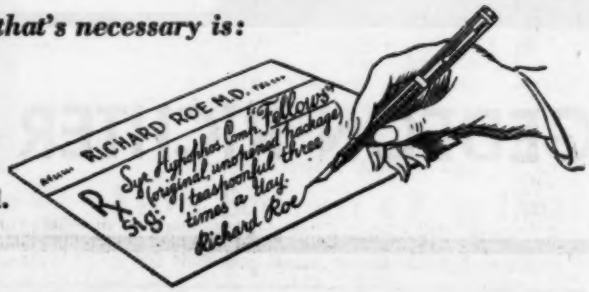

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FOR THE MICROCYTIC ANÆMIAS, DEBILITY AND FATIGUE

COLLIRON

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Colloidal Ferric Hydroxide with traces of Copper

COLLIRON is particularly suitable for the anæmias associated with pregnancy. It is readily assimilated, non-constipating and is the ideal form of iron for women and children.

As it is highly concentrated a small dosage suffices for average conditions.

Five minims of Colliron contains the same amount of iron as a Blaud's Pill

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„ 8 „ „ „ 5/- „ **„ 80 „ „ „ 40/- „**

Prepared at Evans' Biological Institute by

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ANALGESIA

To the patient's plea for something to relieve headache, neuralgia, sciatica, lumbago, the pains of myalgia and arthritis, or the periodic suffering of women, there is no more effective answer than a prescription for VEGANIN. A trial of this synergistic combination of acetylsalicylic acid, phenacetin and codeine will demonstrate its analgesic superiority over that of the individual drugs administered separately. Moreover, with Veganin, there is no systemic disturbance, no habituation; it is perfectly safe in the patient's hands.

Veganin Brand Tablets are supplied to the public in tubes of 10 and 20; boxes of 100 for the Medical Profession only.

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When ever liver is indicated give

TRADE **Hepferol** BRAND MARK

Active Liver Principles with Iron in Palatable Granule form

4 & 8 oz. Boxes

In cases of pernicious anæmia and in all anæmic conditions which do not respond sufficiently to iron therapy alone HEPFEROL is especially indicated. Prepared from a standardised dry extract of liver with added iron. Readily assimilated by the organism. Constancy guaranteed.

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5% of Fe Colloidal Iron Solution

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IDOZAN meets the fundamental requirements of an effective iron therapy. It establishes a strong positive iron balance, it is easily absorbed from the intestinal canal, providing a ready and abundant storing of surplus iron. IDOZAN is non-constipating, non-irritating and does not discolour the teeth.

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OBSERVED IN OVER 1,000 CHILDREN

SYRUP MINADEX enables practitioners to give one tonic where two were needed before. It combines, in one pleasant and effective preparation, the active principles of both Syr. Ferri Phosph. Co. and Cod-Liver Oil, together with reinforcing "trace" minerals.

At a leading London fever hospital Syrup Minadex is employed as the sole tonic for the children's wards. In the past two years over 1,000 children have received it there and a testimony* demonstrates how valuable a part of the ward routine it has become.

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Ethyl Chloride (Duncan) is perfectly free from hydrochloric acid, empyreumatic bodies, etc. It has a pleasant ethereal odour and its vapour is non-irritating.

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AGAROL is an efficient corrective. This palatable mineral oil and agar-agar emulsion with phenolphthalein mixes thoroughly with the fæces making them soft, plastic and easily passed. In this condition they furnish the natural stimulus to peristalsis, and this, with their incidental lubrication, assures their ready passage. Used over a reasonable period, Agarol aids in restoring the muscular tone and functional activity of the bowel. It holds out the gratifying assurance that eventually natural evacuations will follow regularly without the need for further medication.

Agarol is of a convenient consistency which enables the patient to measure the dose with accuracy and uniformity. Suitable for all ages and in all conditions where an evacuant is indicated. Its exceptional palatability and freedom from oiliness render it acceptable to the most exacting tastes.

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Some of the more severe symptoms of menopausal disturbances may require intensive treatment with Oestroform parenterally administered.

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Oral and vaginal therapy may be carried out simultaneously.

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Bottles of 6 c.c. and 10 c.c.

MEDICAL REFERENCES

"*British Medical Journal*,"	4th July, 1925.
"*Medical Press and Circular*,"	12th August, 1925.
"*The Prescriber*,"	October, 1925.
"*Indian Medical Gazette*,"	January, 1926.

N.B.—The Name **OTALGAN** has **NEVER BEEN CHANGED**

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Pepsac is tested clinically and every batch is examined for freedom from pathogenic bacteria.

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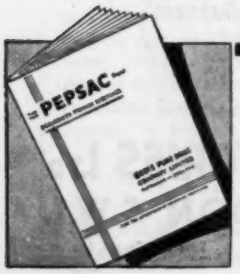

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Vitamin B_1—400 International Units per ounce.

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Phosphorus—330 mg. per ounce.

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FERTILOL

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The use of 'Ovaltine' throughout pregnancy goes far towards ensuring this ideal state of nutrition. 'Ovaltine' is a complete food, containing well-balanced proportions of protein, carbohydrate and fat, and is rich in the vitamins A, B (complex) and D and in readily assimilable calcium, phosphorus and iron. Quickly available energy is supplied by its high maltose content.

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p—Benzylamino—benzene—sulphonamide

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we now have pleasure in presenting

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Disodium-p(γ-phenyl-propyl-amino) benzene-sulphonamide-α-γ-disulphonate

a **water-soluble** preparation in **colourless solution** for intramuscular and intravenous injection

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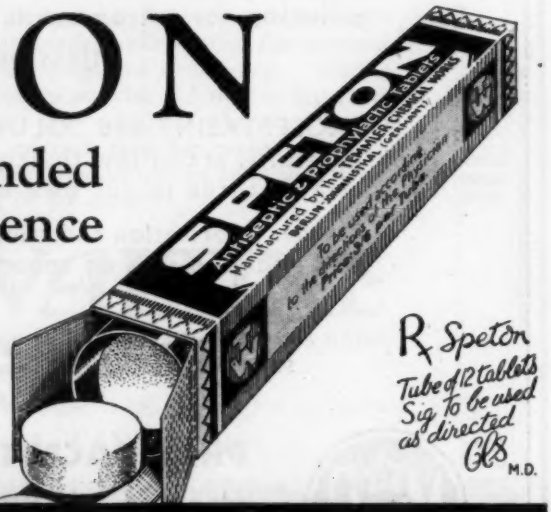

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Sanatogen is a *chemical combination* of ninety-five per cent. concentrated milk casein and five per cent. sodium glycerophosphate, which can be easily digested and absorbed even in cases of enteritis. Moreover, it stimulates a better utilisation of whatever ordinary food can be taken.

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Contraceptive difficulties . . .

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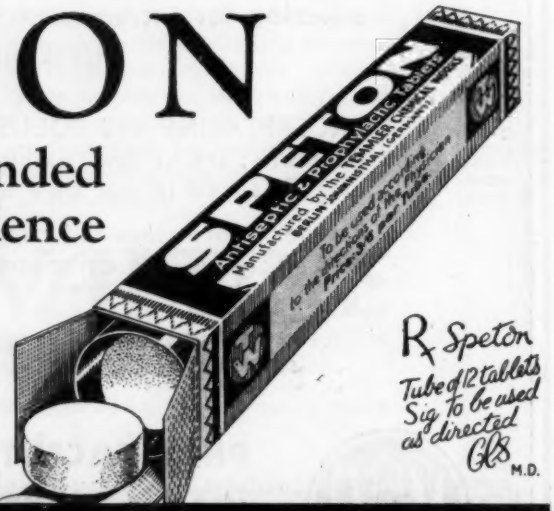

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FOLLOW-ON TRUFOOD

with feeding-tables allowing for the progressive introduction of solids.

Follow-On Trufood provides complete progressive nutrition for the infant from the 10th to the 24th month. Each constituent food-factor meets definite physiological requirements and the quantities of solids and of liquid are increased according to the progressive requirements of the growing child.

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Complete feeding-tables, giving full instructions for the progressive introduction of solids, are provided with each tin of Follow-On Trufood. These are readily modified as desired by the Physician.

The Follow-On Trufood diet eliminates all risk of the omission of important food factors. The dangers of over-feeding, irregularity in quantity, and improper preparation of food are all avoided.

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A potent extract of carefully selected mammalian liver, prepared by a process which ensures the hæmopoietic factor and the vitamin B complex in the highest proportions.

It is the most concentrated oral extract available, and is palatable and easily assimilated.

The therapeutic equivalent of two ounces of fresh liver is contained in a teaspoonful dose.

DOSAGE: In the initial treatment of pernicious and other primary anæmias, one to four fluid drachms per day will be found sufficient.

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A 4-oz. bottle of Hepatex contains sufficient for one week's initial treatment or three weeks' maintenance.

Issued in 4 fld. oz. bottles - 12/6 each

Neo-Hepatex, for parenteral use, is the latest advance in Liver Therapy, and is suitable for either intravenous or intramuscular administration

The Hepatex Liver Extracts are stocked by Pharmacies the world over

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Price : Rubber capped bottles of 10 c.cm., 30/- Particulars and literature on application.

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'Iodolysin'

is a chemical compound containing 47% of iodine and 43% of thiosinamine and gives really satisfactory results in a large percentage of cases of rheumatoid arthritis and allied conditions.

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"I am pleased to be able to testify to the very excellent results which I have obtained from a fairly extensive use of 'Iodolysin,' particularly in rheumatoid arthritis.

"With no other remedy which I have hitherto tried in these difficult cases have I obtained anything approaching the benefit derived from 'Iodolysin.'

"The patients tolerate the drug perfectly well and I have hau no trouble with nausea or any unpleasant effects." ——, M.D.

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Literature and clinical sample will be sent post free on application.

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SODIUM ETHYL MERCURI THIOSALICYLATE

An Organic Mercurial Germicide, Fungicide, and Antiseptic

★ 'Merthiolate' is a valuable first-aid antiseptic for slight injuries and abrasions of tissue surfaces and for use in minor and major surgery. It disinfects the involved parts and does not damage tissue cells. For rapid disinfection of the skin preliminary to operative procedures, it is unexcelled.

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SULPHONAMIDE-P

0·5 gramme

(*p*-Aminobenzenesulphonamide)

Administered by mouth in hæmolytic streptococcal infections

Although still under trial, laboratory and clinical results are extremely encouraging.

It is desirable before commencing treatment in cases of puerperal septicæmia, erysipelas, etc., to ascertain the presence of hæmolytic streptococci in the lesion and/or the blood stream.

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DEA SALUS, WHOSE CULT IN ROME WAS VERY OLD, WAS FIRST ASSOCIATED WITH THE PUBLIC WEAL IN A GENERAL SENSE. LATER, SHE BECAME THE GODDESS OF PUBLIC HEALTH.—The cult of Salus existed before the building of her temple on the Quirinal in 302 B.C. This temple, dedicated to her as Salus Publica, had the unusual distinction, in Rome of that period, of having its walls painted with pictures. It was struck by lightning four times and, in the reign of Claudius, was destroyed by fire. Salus became identified with the Greek Hygieia and was sometimes represented as the cult-companion of Æsculapius. The appearance of medical divinities on coins indicates that the emperor had been ill or that the State had been delivered from some disaster. The coin of Severus Alexander here reproduced shows Salus feeding her snake.

DATE: From before 302 B.C. The coin: A.D. 222-235

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YOU can write an endocrine prescription in one word—a proper combination of the endocrine principles which are now known to initiate and control the menstrual process. Your prescription will have the advantage of being filled with fresh potent endocrine constituents. The formula is in accord with the most recent research on the endocrine glands concerned in regulating menstruation.

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BOTTLES OF 100 TABLETS

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METAPHEDRIN INHALANT No. 99

Ephedrine 0.95% **Metaphen 1 : 2500**

Efficient for inhibiting infection and shrinking the congested nasal mucous membranes. It is soothing and yet so bactericidal that there is no danger of carrying infection into the sinus.

Medical Practitioners are invited to write for a sample :—

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building bodily strength

Wine made from grapes grown on ferruginous soil in a warm climate has long been recognised as a valuable *natural* tonic particularly suitable for use in convalescence. It is pleasant to the taste and its effects are immediate and lasting.

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TINTARA
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Quality approved and checked by the British Analytical Control.
P. B. BURGOYNE & CO. LTD.
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BURGOYNE'S TINTARA is a very full, natural ferruginous burgundy from Australia. It is low in acids, *absolutely pure and unadulterated.* A sample will be sent free in the United Kingdom on receipt of professional card.

4/- per bottle

2/2 per ½ bottle

Also in flagons and ½ flagons at 6/- and 3/-

(A flagon equals a bottle and a half.)

The Prophylaxis of Hayfever with "POLLACCINE" P., D. & CO.

Immunization against grass pollen toxin, the specific causative agent in hayfever, is best accomplished by a long succession of prophylactic injections commencing early in the Spring and continued until a few days prior to the commencement of the hayfever season.

Provided a sufficiently high dose is reached, patients previously highly sensitive to grass pollen can pass through the hayfever season with complete immunity from symptoms.

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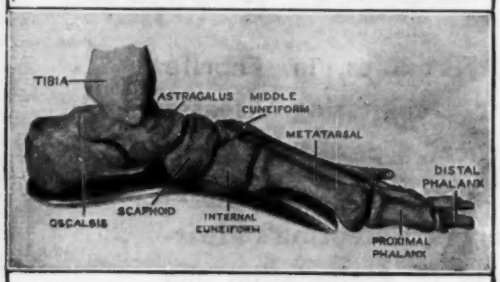

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Monday, April 26th.	Principles of the Examination of Patients.	Prof. F. R. FRASER, M.A., M.D., F.R.C.P.	Sciatica and Lumbago.	Sir WILLIAM WILLCOX, K.C.I.E., C.B., C.M.G., M.D., F.R.C.P.
Tuesday, April 27th.	Pneumonia.	Dr. R. A. YOUNG, C.B.E., M.D., F.R.C.P.	Injuries and Septic Infections of the Hand.	Mr. M. F. NICHOLLS, M.A., F.R.C.S.
Wednesday, April 28th.	Indigestion.	Dr. A. E. CLARK-KENNEDY, M.A., M.D., F.R.C.P.	Sterility.	Mr. ALECK BOURNE, M.A., F.R.C.S., F.C.O.G
Thursday, April 29th.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.
Friday, April 30th.	Obstetrical Emergencies.	Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G.	Obesity.	Dr. H. GARDINER-HILL, M.B.E., M.D., F.R.C.P.
Saturday, May 1st.	Eye Conditions in General Practice.	The Staff of the Royal London Ophthalmic Hospital, City-road, E.C.1.	—	—
Monday, May 3rd.	Common Diseases of Nose, Throat, and Ear.	The Staff of the Central London Throat, Nose and Ear Hospital, Gray's Inn-road, W.C.1.	Diagnosis of Nervous Diseases.	The Staff of the National Hospital, Queen-square, W.C.1.
Tuesday, May 4th.	Asthma.	Dr. G. W. BRAY, M.B., Ch.M., M.R.C.P.	Antenatal Examination.	Prof. JAMES YOUNG, D.S.O., M.D., F.R.C.S., F.C.O.G.
Wednesday, May 5th.	The Treatment of Common Fractures.	Mr. J. P. HOSFORD, M.S., F.R.C.S.	Common Types of Anæmia. Their Diagnosis and Treatment.	Dr. JANET M. VAUGHAN, D.M., M.R.C.P.
Thursday, May 6th.	The Acute Abdomen.	Mr. R. J. MCNEILL LOVE, M.S., F.R.C.S.	Non-operative Treatment of Common Gynæcological Conditions.	Miss ALICE BLOOMFIELD, M.D., F.R.C.S., F.C.O.G.
Friday, May 7th.	Demonstration of Local Anæsthesia.	The Staff of the School.	Diet and Disease.	Dr. GEORGE GRAHAM, M.A., M.D., F.R.C.P.
Saturday, May 8th.	Psychiatry in General Practice.	Prof. E. MAPOTHER, M.D., F.R.C.P., F.R.C.S., at Maudsley Hospital.	—	—

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JUNE 28th.
SEPTEMBER 20th.
OCTOBER 18th.
NOVEMBER 15th.

Detailed programmes and any further information can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12.

BRITISH ASSOCIATION OF RADIOLOGISTS
(FELLOWSHIP BOARD)

FELLOWSHIP EXAMINATION

The first Examination for the Fellowship of the Association will be held in London during the period November 29th to December 3rd.

The Examination is limited to Medical Practitioners who are duly registered in the country in which they practice, and who hold a recognised diploma in Radiology. The diplomas so far recognised are those granted by the following bodies: the Universities of Cambridge, Edinburgh, Liverpool, and London; the Conjoint Board of the Royal College of Physicians of London, and the Royal College of Surgeons of England; and the American Board of Radiology.

The principal subjects of the Examination are:—

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All candidates must present themselves for examination in both subjects, and will be required to pass in one of them on an honours standard. They will also be examined in general medicine, general surgery, and general pathology, but those who have passed examinations for higher medical or surgical qualifications may be exempted partly or wholly from this part of the Fellowship examination. A thesis concerned with some aspect of their honours subject is also required from candidates, and must be presented before the end of August.

In addition to passing the examination, candidates must comply with the conditions for ordinary membership of the Association before they can be elected Fellows.

Further particulars may be obtained from F. HERNAMAN-JOHNSON, M.D., D.M.R.E., Warden of the Fellowship, British Association of Radiologists, 32, Welbeck-street, London, W.1.

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FOR MENTAL DISORDERS,
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This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

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This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

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For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

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The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

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The fees are from 15 guineas a week.

They include medical attendance, all scientific investigations that may be needed, such as analyses, bacteriological cultures, the ordinary X-ray examinations, and electrocardiograph readings: all treatment that may be prescribed such as special diets, insulin, artificial sunlight, electrical treatment, baths, massage, nursing; medicines or vaccines, board and lodging.

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There is a vacancy for the post of FIRST ASSISTANT and REGISTRAR to the Neuro-Surgical Department.

Candidates must be fully qualified medically.

Applications should be made to the House Governor, and should arrive not later than Saturday, May 1st.

ARTHUR G. ELLIOTT, House Governor.

Evelina Hospital for Sick Children,

Southwark, S.E.

Applications are invited for the post of OPHTHALMIC SURGEON to the Hospital. Candidates must be Graduates in Surgery of a recognised University and either a Fellow of the Royal College of Surgeons of England or a Member of the Royal College of Physicians, London. They shall not be engaged in general practice.

The Ophthalmic Surgeon will have charge of beds, and will do one Out-patient Clinic per week. There is an honorarium of fifty guineas attached to the post.

Applications, with copies of not more than four testimonials, should reach the Secretary not later than March 31st.

Candidates will be required to call upon Members of the Medical Staff, whose names, together with the standing orders relating to the post, will be forwarded by the Secretary.

5th March, 1937. W. H. SIDNELL, House Governor.

Samaritan Free Hospital for Women,

Marylebone-road, London, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing May 1st next.

Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, must reach the Secretary at the Hospital on or before Tuesday, March 30th. G. H. HAWKINS, Secretary.

Hospital of St. John and St. Elizabeth,

60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from 1st May, 1937. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, March 30th.

F. DUDLEY HOBBS, B.A., Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

HOUSE SURGEON (Male) required for six months from 1st May, 1937. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Thursday, 8th April, 1937.

H. J. ELEY, Secretary.

Wimbledon Hospital,

Thurstan-road, S.W.20.
(General Hospital. 74 Beds.)

RESIDENT MEDICAL OFFICER (Male, of British nationality) required for a period of six months in the first place from 1st April, 1937, eligible for re-election. Salary at the rate of £150 per annum, with board, residence, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications, and experience, together with copies of testimonials, should be sent to the undersigned.

M. M. EDWARDS,
(Mrs. Ashley Edwards), Hon. Sec.

St. Bartholomew's Hospital.

OFFICE OF ASSISTANT PHYSICIAN.

Notice is hereby given that a meeting of the Election Committee will be held on Tuesday, 4th May, 1937, at 4 o'clock in the afternoon to elect an Assistant Physician to this Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians of London, are required to lodge fifty copies of their application and testimonials with the undersigned on or before Saturday, 17th April, 1937.

THOMAS HAYES, Clerk to the Governors.

11th March, 1937.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

The Committee are prepared to receive applications for the post of SECOND ASSISTANT PATHOLOGIST.

Salary £250 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Friday, 9th April, 1937. CLEMENT COBBOLD, Secretary.

South London Hospital for Women,

Clapham Common, S.W.4.

Applications are invited from fully qualified Medical Women for the undermentioned appointment:—

SURGICAL REGISTRAR. Half-time duty for a period of one year, with eligibility for re-appointment to a maximum of three years. Honorarium of £75 per annum.

Candidates are requested to call on Members of the Hon. Medical Staff before Saturday, April 3rd, by which date applications and copies of testimonials must reach the Secretary at the Hospital.

Jewish Maternity Hospital,

Underwood-street, London, E.1.

RESIDENT MEDICAL OFFICER required. Board, residence, and laundry provided, with salary at the rate of £50 per annum. The appointment is for four months, with option of extension to six months. Applicants may be Male or Female.

Applications, which should be accompanied by copies of three recent testimonials, should be forwarded to the Secretary immediately.

The Mount Vernon Hospital,

NORTHWOOD, MIDDLESEX.
(FOR THE TREATMENT OF CANCER.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, with copies of three testimonials, to be sent to the undersigned on or before April 3rd.

W. J. MORTON, Secretary,
Offices, 32, Fitzroy-square, W.1.

Royal Free Hospital,

Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Women for the following post:—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st May, 1937, for five months. Salary £150 per annum. Candidates must have held previous resident Hospital appointment.

Application forms may be had from the undersigned, and should be duly filled in and returned on or before the 10th April, 1937. RICHARD T. BARTLEY, Secretary

Farringdon General Dispensary.

Applications are invited for the post of HONORARY PHYSICIAN (General Medicine). One visit a week.—Communications to Hon. Secretary, 17, Bartlett's Buildings, Holborn, E.C.4.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.

HONORARY CLINICAL ASSISTANTS.

Applications are invited for the following appointments as Honorary Clinical Assistants to the Out-patients' Department:

Medical (Six) (Three) TUES. 2 P.M., (Three) FRI. 2 P.M.
Obstetric (One) MON. 9 A.M. and WED. 2 P.M.
Gynæcological (One) MON. 9 A.M. and WED. 2 P.M.
Skin (Two) THURS. 9 A.M.
Ear, Nose, and Throat (One) FRI. 9 A.M.
Ophthalmic (Two) MON. 2 P.M.
X Ray and Electro-therapeutic (One) THURS. 2 P.M.

Applications, giving qualifications, age, &c., together with copies of not more than three recent testimonials, should be sent to the Secretary-Manager, The Princess Beatrice Hospital, 194, Finborough-road, S.W.10, not later than 9 A.M. March 31st, 1937.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of MEDICAL REGISTRAR to the above-mentioned Hospital. Candidates must possess the M.R.C.P. and must not be engaged in General Practice. An honorarium of fifty guineas is attached to the post, and the appointment is for one year only, with eligibility for re-election at the end of the year.

Applications, with copies of not more than three testimonials, should reach the Secretary-Manager not later than Monday, April 5th, from whom further particulars can be obtained.

London County Council.

Applications invited from Medical Practitioners for positions of HOUSE PHYSICIAN and HOUSE SURGEON. Several positions are now vacant. General and Special hospitals. Salary £120 a year, with board, lodging, and washing. Appointment for six months in first instance.

One position of House Surgeon is for the special unit for thoracic surgery at ST. MARY ABBOTS HOSPITAL, Marloes-road, Kensington, W.8.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

London County Council.

TEMPORARY DISTRICT MEDICAL OFFICER required for Area VII, District M (Balham). Provisional salary £160.

Person engaged required to carry out duties prescribed by Public Assistance Order, 1930, and to reside in or near district. Engagement until 31st March, 1938, in first instance. Remuneration and conditions subject to review.

Application form obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned appointment at HEATHERWOOD HOSPITAL, ASCOT, BERKS. Candidates must have held resident appointment in a general hospital for at least six months.

ASSISTANT MEDICAL OFFICER, Grade II.—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for second year under certain conditions). Experience in orthopædics desirable. There is no accommodation for a woman. Married quarters not available.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

London County Council.

PART-TIME MEDICAL OFFICERS (Men or Women) required at the MAUDSLEY HOSPITAL, Denmark Hill, S.E.5. Candidates must be under forty years of age and be registered to practice both in medicine and surgery in England. Salary £300 a year of forty-eight weeks, for five sessions (morning and evening) of three hours each week. Psycho-therapy in Out-patients' Department. No emoluments. Married women ineligible.

For application form, returnable by 6th April, send stamped addressed foolscap envelope to Chief Officer (B), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2. Canvassing disqualifies.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (either sex) to the Female Departments. Candidates must be doubly qualified and duly registered.

The appointment is for six months, commencing 13th April. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous obstetric experience.

Applications, enclosing copies (only) of three recent testimonials must be in the hands of the undersigned by Thursday, 1st April, and from whom a copy of the bye-laws relating to the appointment, or any further particulars, can be obtained.

11th March, 1937. J. F. MORTON, Secretary.

Connaught Hospital,

Walthamstow, E.17.

(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required.

Salary £100 per annum, with residence, board, and laundry. Appointment for six months from April 1st, 1937. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before Wednesday, 24th March.

KENELM S. ELLISON, General Secretary.

Seamen's Hospital Society.

KING GEORGE'S SANATORIUM FOR SAILORS, LIPHOOK, HANTS, for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.

ASSISTANT MEDICAL OFFICER required as from 1st May for six months. Salary at the rate of £200 per annum in the first instance. There is no accommodation for a married man.

Applications, with copies of three recent testimonials, to be sent in on or before 6th April to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 13th March, 1937.

London County Council.

RESIDENT MEDICAL SUPERINTENDENTS required at:

(1) ST. GILES' HOSPITAL, Brunswick-square, Camberwell (810 Beds). Salary £1300 by £50 to £1550 and unfurnished house free of rates. Duties may also include those of temporary medical officer of Camberwell Institution and of Peckham Children's Homes at £50 and £25 a year respectively.

(2) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh Hill, Greenwich (634 Beds). Salary £1100 by £50 to £1350 with unfurnished quarters free of rates. Duties also include those of temporary administrative and medical head of St. Alfege's Institution (826 Beds) at £100 a year.

Persons appointed will be under the Medical Officer of Health and must undertake duties at other establishments if so required. Candidates must have been qualified medical practitioners for at least five years, have been house physician or house surgeon in a public general hospital, and be experienced in hospital administration.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Clerk of the Council, County Hall, S.E.1, returnable by 25th March. Canvassing disqualifies.

St. John's Hospital,

Lewisham, S.E.13.

A vacancy has been declared in the office of HONORARY DERMATOLOGIST, to fill which applications are invited. The successful applicant will be required to take charge of Beds and take one Out-patient Clinic weekly.

The Selection Committee will sit on the 23rd instant, and applications should be received by the undersigned as soon as possible. J. C. GILBERT, Secretary-Superintendent.

The Belgrave Hospital for Children

(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the posts of two HOUSE PHYSICIANS and one HOUSE SURGEON, which will become vacant on April 30th.

Applicants (Men) must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case. Applications, with copies of testimonials, stating age, to be forwarded on or before Wednesday, April 7th.

By order.
THOS. CLAPHAM, Secretary.

King's College Hospital,

Denmark Hill, S.E.5.

The Committee of Management invite applications for the posts of SENIOR and JUNIOR ASSISTANT RADIOLOGISTS (part-time).

Terms of appointment, including salary, can be obtained from the undersigned.

Applications, stating qualifications and giving three references, must be made by April 10th.

C. E. A. BEDWELL, House Governor.

St. Paul's Hospital, Endell-street,

Holborn, W.C.2.

The Committee of Management is considering the appointment of HONORARY SURGEONS in the Department for the diagnosis and treatment of persons suffering from Venereal Diseases, and invite applications from duly qualified Medical Practitioners.

Intending candidates should submit applications, stating age, qualifications, and experience, accompanied by copies of three recent testimonials, to the undersigned by March 25th.

J. P. KEY CHISLETT, Secretary.

Hospital for Consumption and Diseases

OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER. Candidates must have held a resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing May 1st.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing May 1st.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the Wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing May 1st, with an honorarium of £50.

HOUSE PHYSICIAN (Male) at the SANATORIUM at Frimley. The appointment is for six months, commencing May 1st, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, April 3rd.

Brompton, March, 1937. F. G. ROUVRAY, Secretary.

Caernarvonshire and Anglesey
INFIRMARY, BANGOR. (A General Hospital.)

Wanted, a SENIOR and a JUNIOR HOUSE SURGEON (Males). Salary respectively £150 and £100 per annum, with residence, board and laundry. Duties of Senior H.S. to commence April 15th, and Junior H.S. first week in April.

Applications, stating qualifications, age, and nationality, to reach the Secretary on or before March 27th, 1937.

Wrexham and East Denbighshire
WAR MEMORIAL HOSPITAL. (124 Beds.)

Two RESIDENT HOUSE SURGEONS required by the above Hospital, to commence duty on April 1st. Appointment is for six months. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

February 27th, 1937. LESLIE SPENCER, Secretary.

Swansea General and Eye Hospital.
(336 Beds.)

HOUSE PHYSICIAN Wanted. Gentleman, single. Salary £150 per annum, with board, residence, and laundry. Appointment for six months.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

Hove General Hospital, Hove.

A JUNIOR RESIDENT MEDICAL OFFICER (Male) is required. Salary £120 per annum, with board, apartments, and laundry. Third-class railway fare will be paid to applicants invited to attend for interview.

Applications must be received by the undersigned not later than Friday, 26th instant.

H. AUBREY FROGGATT, Secretary-Superintendent.

The Royal Eye and Ear Hospital,
BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON required for Orthopædic and Fracture Department, duties to commence 1st April, 1937. The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 8th March, 1937.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON required (General Surgery), duties to commence 16th April next. The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 15th March, 1937.

Devonshire Royal Hospital, Buxton,
DERBYSHIRE.

(A National Hospital of 300 Beds.)

RESEARCH IN RHEUMATISM.

Applications are invited for the post of Research Worker in Rheumatic Diseases.

The applicant (Male) must be medically qualified with Bacteriological Laboratory experience.

The appointment will be renewable annually.

The salary will be £400, rising to £500 per annum, with private work, other than General Practice.

Applications, with copies of three recent testimonials, must be sent without delay to the undersigned, from whom further particulars can be obtained.

A. PRESTON TURNER, General Superintendent and Secretary.

The Bolton Royal Infirmary.
(315 Beds, including two Auxiliary Hospitals.)

Applications are invited from gentlemen for the post of HOUSE SURGEON.

Salary £150 per annum, with board, residence, laundry, and attendance.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be forwarded to the undersigned as soon as possible. G. ANWYL HUGHES, Secretary.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital, to commence duty on 1st May, 1937. The appointment will be for a period of six months, with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is re-appointed for a further period of six months the salary will be at the rate of £200 per annum.

St. Chad's Hospital contains 145 Beds, and the cases treated include General Medical, Acute Surgical and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician and Anæsthetist," accompanied by copies of three recent testimonials, must be delivered not later than first post on April 5th, 1937.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 15th March, 1937.

Nottingham and Midland Eye
INFIRMARY.

RESIDENT HOUSE SURGEON required end of March. 56 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry.

Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

North Riding Infirmary,
MIDDLESBROUGH.

(General Hospital. 143 Beds. Three Residents.)

CASUALTY OFFICER required for a period of six months from 1st April, 1937. (Third H.S. and H.P. is an applicant.)

The appointment will be for not less than six months and renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates, who must be Male, unmarried, and of British nationality, are asked to state whether they are prepared to apply for the combined post of THIRD HOUSE SURGEON AND HOUSE PHYSICIAN (£140 per annum) in the event of the present Resident being appointed.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

The Royal Infirmary of Edinburgh.

Applications are invited for the post of JUNIOR ASSISTANT RADIOLOGIST. Candidates must possess Radiological qualifications, and must be prepared to stay at least twelve months. Salary at the rate of £250 per annum.

Applications, stating age and previous experience, should be sent to the undersigned as soon as possible.

HENRY MAW, Secretary and Treasurer.

The Buchanan Hospital,
ST. LEONARDS-ON-SEA.
(103 Beds.)

JUNIOR HOUSE SURGEON (Female) required to commence duties as soon as possible. Salary at the rate of £125 per annum.

Candidates must be duly registered Medical Practitioners, and applications, which must be received by the 30th March, should include three copies of recent testimonials.

FRANK HART, Secretary.

Royal Cornwall Infirmary, Truro.
(84 Beds.)

HOUSE SURGEON (Male) required with experience of Anæsthetics, to commence duties on the 1st May next. Salary £170 per annum, rooms, board, and washing.

Apply, with copies of three recent testimonials, to the Secretary, of whom further particulars may be obtained.

W. E. GRENFELL, Hon. Secretary.

Truro, 16th March, 1937.

INDIAN MEDICAL SERVICE

RECRUITMENT OF EUROPEAN OFFICERS

Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

RATES OF PAY.

Years of Service.	Rank.	Basic Pay. Rs. per mensem.	Overseas Pay. £ per month.	Total. £ per annum.
1	Lieutenant.	450	15	585
2	Captain.	500	25	750
3	"	550	25	795
4	"	550	25	795
5	"	600	25	840
6	"	600	30	900
7	"	700	30	990
8	"	700	30	990
9	"	700	35	1050
10	"	700	35	1050
11	Major.	800	35	1140
12	"	800	40	1200
13	"	800	40	1200
14	"	800	40	1200
15	"	800	40	1200
16	"	950	40	1335
17	"	950	40	1335
18	"	950	40	1335
19	"	1100	40	1470
20	"	1100	40	1470
21	Lieut.-Col.	1350	40	1695
22	"	1350	40	1695
23	"	1350	40	1695
24	"	1500	40	1830
25	"	1500	40	1830

Note.—(1) The rupee is at present stabilised at a rate equivalent to 1*s.* 6*d.*
(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

Extras.—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognised hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, so long as it does not interfere with their proper duties.

LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed 12 months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada is granted to an officer in addition to ordinary rates of leave pay.

PENSIONS.

The rates of pensions are as follows:—

	Per annum. £	s.
After 17 years' service for pension	372	0
" 18 " " "	400	0
" 19 " " "	428	0
" 20 " " "	465	0
" 21 " " "	502	0
" 22 " " "	539	10
" 23 " " "	576	10
" 24 " " "	614	0
" 25 " " "	651	0
" 26 " " "	697	10
" 27 " " "	744	0

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office early in April next, and the selected candidates will be required to join a course of instruction commencing on 1st May, prior to sailing for India about September, 1937. Applications should be submitted as soon as possible.

INDIA OFFICE, March, 1937.

Park Prewett Mental Hospital,
BASINGSTOKE, HANTS.

JUNIOR ASSISTANT MEDICAL OFFICER.

The Visiting Committee invite applications from registered Medical Practitioners for the post of Male Junior Assistant Medical Officer, age not exceeding thirty-five years. Preference will be given to applicants who have held an appointment in a General Hospital. Salary £350 per annum, rising by increments of £25 to £150 with furnished apartments, board, laundry, and attendance valued for superannuation purposes at £150 per annum. An extra £50 per annum will be paid on obtaining the D.P.M. The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Form of application, giving fuller particulars, which must be returned by 27th March, 1937, to be obtained from the Medical Superintendent, Park Prewett Mental Hospital, Basingstoke, Hampshire.

Park Prewett Mental Hospital,
BASINGSTOKE, HANTS.

SECOND ASSISTANT MEDICAL OFFICER.

The Visiting Committee invite applications from registered Medical Practitioners holding a Degree or Diploma in Psychological Medicine for the post of Male Second Assistant Medical Officer (married). Gross salary £600 per annum, rising by increments of £25 to £700. Age not to exceed forty. An attractive modern house situated in the Hospital grounds is available at a reasonable rental with coal and electricity at contract rates.

Park Prewett, which has 1450 Beds, is an up-to-date Hospital with modern methods of treatment. There is a detached villa for private patients, and the person appointed would in addition to other duties have charge of this unit.

The appointment will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Form of application giving fuller particulars, which must be returned by 19th April, 1937, to be obtained from the Medical Superintendent, Park Prewett Mental Hospital, Basingstoke, Hampshire.

Royal Victoria Hospital, Dover.

Wanted, for the 15th April, RESIDENT MEDICAL OFFICER (Male, unmarried), qualified and registered. Salary £180 a year, and board, lodging, and laundry. 60 Beds.

Applications should be sent at once, and must be received not later than the 25th March, addressed to the Hon. Secretary, Royal Victoria Hospital, Dover, on a form to be obtained from him.

Royal Buckinghamshire Hospital,
AYLESBURY.
(80 Beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty on April 1st, 1937.

The candidate appointed will be eligible to apply for the Senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned not later than March 20th, 1937.

F. G. DAWES, Secretary.

Derbyshire Education Committee.

ASSISTANT SCHOOL MEDICAL OFFICER.
(Male or Female.)

The Derbyshire Education Committee require the services of an Assistant School Medical Officer (Male or Female), at a salary of £500, rising by annual increments of £25 to £700 per annum, together with a travelling allowance in accordance with the county scale.

Candidates must be registered Medical Practitioners of at least three years' standing. The duties will include work under the Maternity and Child Welfare Service. Experience in this work and Mental Deficiency is desirable.

The appointment will be a designated post under the Local Government and Other Officers' Superannuation Act, and the successful candidate will be required to pass a medical examination.

The Officer appointed will not be allowed to engage in private or consultant practice, but will be required to devote his whole time to the duties of the office, and will act under the direction of the School Medical Officer.

Forms of application may be obtained from the undersigned, to whom they should be returned completed, together with copies of not more than three recent testimonials, on or before Wednesday, March 31st, 1937, endorsed "Assistant School Medical Officer."

The appointment will be determinable by three months' notice on either side. W. M. ASH, School Medical Officer.

New County Offices, St. Mary's Gate, Derby,
9th March, 1937.

Newark General Hospital.

(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1937.

Southend-on-Sea General Hospital.

235 Beds. 7 Residents.
Hon. Specialist Staff of 19 members.

Applications are invited for the posts of
HOUSE PHYSICIAN.
HOUSE SURGEON (including work in one Special Department).

Duties to commence on 1st April.

The appointments are for six months. Salary at the rate of £100 per annum, with board, &c., provided. Candidates must be registered (Male) practitioners.

Applications, together with copies of two recent testimonials, should be sent to the undersigned not later than 24th March.

P. H. CONSTABLE, Secretary.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £150 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be sent on or before the 22nd instant.

J. KENYON, Secretary

Victoria Hospital, Accrington.

Victoria Hospital, Burnley.

(150 Beds.)

HOUSE PHYSICIAN (MALE).

Applications are invited for the above post, which will become vacant on the 31st March. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board residence, and laundry. At the end of this period, reappointment may be applied for, and, if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

Victoria Hospital, Burnley.

(150 Beds.)

HOUSE SURGEON (MALE).

Applications are invited for the above post, which will become vacant on the 31st March next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if confirmed, the salary for the second six months will be at the rate of £200 per annum.

Applications, with full details of qualifications and experience, and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

County Borough of Halifax.

THE HALIFAX GENERAL HOSPITAL.

MEDICAL SUPERINTENDENT (MALE).

Applications are invited from fully qualified registered Medical Practitioners for the appointment of Medical Superintendent at the Halifax General Hospital, Halifax.

The Hospital has accommodation for 400 patients, mainly medical, surgical, and maternity cases.

The salary will be £800 per annum, rising by biennial increments of £50 to a maximum of £950, with residence and emoluments valued at £150 per annum.

Experience in administrative hospital work is essential.

The person appointed will be required to devote the whole of his time to the duties of his office, and will not be allowed to engage in private practice.

Forms of application and further particulars of the duties and conditions of the appointment may be obtained from the undersigned.

Applications on the prescribed form, accompanied by copies of three recent testimonials, must be sent to me endorsed "Medical Superintendent" not later than Monday, 29th March, 1937.

Canvassing, either directly or indirectly, will disqualify.

The Council has not adopted a Superannuation Scheme.

PERCY SAUNDERS, Town Clerk.

Town Hall, Halifax, 8th March, 1937.

Ancoats Hospital, Manchester.

This Hospital is recognised by the Royal College of Physicians for its Medical Practice.

RESIDENT MEDICAL OFFICER required to commence duty on the 16th April. Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous experience in a similar position necessary. The appointment includes the supervision of the Medical Beds and assistance in the work of the Medical Out-patients' Clinics.

Applications, stating age, qualifications, experience, and full particulars of the appointments held, to be forwarded to the undersigned on or before 31st March, together with copies of three recent testimonials.

By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Burslem Haywood and Tunstall War

MEMORIAL HOSPITAL, HIGH-LANE, TUNSTALL, STOKE-ON-TRENT.

Applications are invited for the following post of RESIDENT HOUSE PHYSICIAN. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months in the first instance, re-appointment may be applied for.

Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)
(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

City of Birmingham.

MENTAL DEFICIENCY ACT COMMITTEE.

MONYHULL COLONY.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Resident Assistant Medical Officer (Male) in the above Colony. Candidates should have held house appointment in a General Hospital. The appointment is for a single man. Preference will be given to one with some mental experience.

The scale of salary is £350 by £25 to £450 per annum, with full residential emoluments and a further £50 per annum is payable for a recognised post-graduate qualification in psychological medicine.

After a period on probation and the passing of a satisfactory medical examination the appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. All fees and emoluments received other than the above must be repaid to the City Council.

Applications, with full particulars, to be sent to the undersigned.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 8th March, 1937.

The Royal Infirmary, Bradford.

Two HOUSE PHYSICIANS (Male), Three HOUSE SURGEONS (Male), and One CASUALTY HOUSE SURGEON (Male) wanted for 1st May. Six months' appointments. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and washing. There are 345 beds and ten resident officers.

Applications, stating age, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned not later than March 23rd.

5th March, 1937. J. J. BARRON, Secretary-Superintendent.

Doncaster Royal Infirmary and DISPENSARY.

(185 Beds.)
(Recognised under the Regulations for the Diploma in Anæsthetics.)

RESIDENT ANÆSTHETIST (Male) wanted immediately The appointment is for six months. Salary at the rate of £175 per annum, with board, residence, and laundry.

Applications, accompanied by not more than three recent testimonials, to be sent to the Secretary-Superintendent.

Leicester Royal Infirmary.

(500 Beds.)

RESIDENT RADIOLOGIST.

Applications are invited for the above newly created post.

The successful candidate will be expected to act as House Physician to the Radiologist and assist in the diagnostic and therapeutic sides of the X Ray Department.

The appointment is for six months, in the first instance, and the salary is at the rate of £200 per annum, together with board, residence, and laundry.

Candidates should hold the D.M.R.E. Diploma.

Applications, giving full particulars as to age, qualifications, experience, and accompanied by not more than three testimonials, should reach the undersigned not later than April 3rd. The appointment will be made on April 21st.

GEO. W. COOLING, House Governor.

City of Manchester.

ASSISTANT TUBERCULOSIS OFFICER.

The Public Health Committee invites applications for the position of Assistant Tuberculosis Officer at a commencing salary of £650 per annum, rising by annual increments of £25 to £750 per annum.

Candidates must be registered Medical Practitioners having special knowledge of Medical and Surgical Tuberculosis, and should state whether they possess the Diploma of Public Health.

Applications (no special form is issued), stating age, qualifications, and experience, with copies of not more than three recent testimonials, and endorsed on the envelope "Assistant Tuberculosis Officer," must be addressed to the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and not to members of the Committee or Council, and must be received by him not later than 31st March, 1937.

The gentleman appointed will be under the administrative control of the Medical Officer of Health, and the immediate control of the Senior Tuberculosis Officer. He will be required to devote the whole of his time to the duties of his position, to execute the Deed of Service, and to contribute to the Corporation Superannuation Fund.

Canvassing in any form, direct or indirect, oral or written, is prohibited. F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 5th March, 1937.

Harlow Wood Orthopædic Hospital,

Near MANSFIELD, NOTTS. (155 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male). The salary is at the rate of £200 per annum, with board, residence, and laundry. The duties may include attendance at the associated Hospitals and Out-patient Clinics, and commence on 1st May, 1937. The appointment will be for six months and may be renewed for a further six months.

Applications, stating age and experience, with copies of testimonials, should be received by the Secretary not later than 25th March, 1937.

The Gloucestershire Royal Infirmary

AND EYE INSTITUTION, GLOUCESTER.
(225 Beds. Five residents.)

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry.

The appointment is for six months, which may be extended for similar periods by re-election from time to time.

Applications, stating age, qualifications, experience, and nationality, with copies of not less than three recent testimonials, should be sent to the undersigned not later than Wednesday, March 24th.

The elected candidate will be required to enter upon his duties on March 31st. F. J. SYMONS, Secretary.

March 11th, 1937.

City of Nottingham.

ASSISTANT MEDICAL OFFICER IN THE VENEREAL DISEASE CLINICS.

The Corporation invite applications for the above position from Male Medical Graduates who have gained special experience in venereal disease work.

The successful candidate will be required to give his whole time to the service of the Corporation and will not be allowed to undertake any other work or to accept fees (with the exception of fees, if any, for lecturing or teaching out of duty hours).

Salary £500 per annum, rising by annual increments of £25 to a maximum of £700, subject to deductions under the Corporation's Superannuation Scheme. The officer will be required to pass a Medical Examination and to reside within the City boundary.

Further particulars will be forwarded, with forms of application, which may be obtained from the undersigned. Applications must be received not later than the 31st March, 1937.

J. E. RICHARDS, Town Clerk.

The Guildhall, Nottingham, 8th March, 1937.

Hull Corporation Health Department.

HULL CITY HOSPITAL.

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the above appointment at the Hull City Hospital for Infectious Diseases, Cottingham.

The appointment is open to registered Medical Practitioners of either sex, who must be single, not more than forty years of age, and have had experience in general hospital work. Possession of the Diploma in Public Health, or similar qualification, and previous experience in a fever hospital will be regarded as additional qualifications.

The appointment is for a period of one year, and the salary is £350 per annum, together with board, laundry, and residence. The appointment may be extended for more than one year, in which case the salary, subject to satisfactory service, will be increased by annual increments of £25 to a maximum of £450 per annum.

The appointment is not designated under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, on forms to be obtained from the undersigned, are returnable not later than 10 A.M. on Tuesday, March 30th, 1937. NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, March, 1937.

City and County of Newcastle-upon-Tyne.

CITY HOSPITAL FOR INFECTIOUS DISEASES.

RESIDENT MEDICAL ASSISTANT (MALE).

Applications for the above appointment are invited from duly qualified and registered Medical Practitioners who possess a practical knowledge of Bacteriology. The holding of a previous resident appointment will be considered a recommendation.

Salary £350 per annum, with board, lodging, &c.

The appointment is for a period of one year only.

Applications on the prescribed form, which can be obtained on application to the Medical Officer of Health, Town Hall, Newcastle-upon-Tyne, 1, must be submitted not later than Wednesday, 31st March, 1937.

8th March, 1937.

Wilts County Council.

MENTAL DEFICIENCY ACTS, 1913–1927.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER.

The Wilts County Council invites applications for the post of an Assistant Medical Officer to act as Medical Officer of the Council's three Mental Deficiency Institutions comprising in the aggregate 350 Beds at Pewsey, Purton and Wilton.

Applicants must be fully qualified Medical Practitioners, and must have had special experience in mental deficiency and of mental deficiency institutions. A Diploma in Psychological Medicine is desirable.

The Officer appointed will be responsible to the Medical Officer to the Committee for the Care of the Mentally Defective and be under the administrative control of the County Medical Officer. He will be required to devote his whole time to the duties of the office. The duties of the post will be chiefly concerned with the institutions mentioned above, and with other mental deficiency work, but the Officer may be required to perform other duties for which he may be qualified, at the discretion of the County Medical Officer.

The salary will be £700 per annum, rising by annual increments of £25 to a maximum of £800 per annum, to be revised proportionately if a residence is provided at the Pewsey Colony. The salary will be subject to deduction under the appropriate Superannuation Act. Travelling expenses in accordance with the County Scale will be paid.

The appointment will be terminable by three months' notice on either side.

The candidate selected will be required to pass a medical examination.

Applications on forms to be obtained from the undersigned, together with copies of not more than three recent testimonials, and enclosed in an envelope marked "Assistant Medical Officer," to be lodged with the undersigned by not later than the first post on the 25th March, 1937.

Canvassing, either directly or indirectly, will disqualify.

W. L. BOWN, Clerk of the County Council.

County Offices, Trowbridge, 8th March, 1937.

Preston and County of Lancaster

ROYAL INFIRMARY.

Applications are invited from unmarried gentlemen, doubly qualified and registered, for the post of CASUALTY HOUSE SURGEON (vacant 1st April next). Duties in Out-patients' Department and under Orthopædic Surgeon and two Assistant Surgeons. Number of Resident Staff seven.

Salary at the rate of £150 per annum, with board, residence, and laundering.

Applications, stating age, qualifications, and experience, together with copies of recent testimonials, to be forwarded to Mr. JOHN GIBSON, Superintendent and Secretary, as soon as possible.

9th March, 1937.

Royal Hospital, Richmond, Surrey.

JUNIOR HOUSE SURGEON (Male) required to take up duties on April 16th, 1937. Salary at the rate of £100 per annum, with board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. The appointment will be for six months, after which the successful candidate will be eligible for the Senior post.

Applications, stating age, nationality, experience, and copies of three recent testimonials, must be forwarded to the undersigned not later than April 1st, 1937.

G. M. EDEN, Secretary-Superintendent.

Hospital Convalescent Homes,

PARKWOOD, SWANLEY, KENT.

(For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Friday, 2nd April, 1937.

The Children's Hospital, Sheffield.

(140 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN, vacant 8th April, 1937.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

City of Manchester.

WITHINGTON HOSPITAL.—(1293 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post, at the above-named hospital, of RESIDENT ASSISTANT MEDICAL OFFICER for the tuberculosis wards (170 beds) for all types of pulmonary tuberculosis forming part of the City's tuberculosis scheme.

The salary for the appointment is £300 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than the 31st March, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 11th March, 1937.

Manchester Ear Hospital,

Grosvenor-square, All Saints.'
(Registered for D.L.O.)

The Board invite applications for the post of RESIDENT HOUSE SURGEON, becoming vacant about middle of April. (31 Beds.) Salary £120 per annum. Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Sec., Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

Aberdeen Royal Infirmary.

The Board of Directors invite applications for a vacancy in the office of CLINICAL TUTOR attached to a Medical Ward. The appointment, which is an honorary one, will be for a period of one year with eligibility for re-appointment at the discretion of the Directors until a period of five years has been served.

Further particulars may be had from the undersigned, with whom applications and testimonials (four copies) should be lodged on or before 3rd April, 1937.

JOHN A. MCCONACHIE, Clerk and Treasurer.

230, Union street, Aberdeen.

The Schiff Home of Recovery,

COBHAM, SURREY.

Required on 30th April RESIDENT SURGICAL OFFICER, unmarried, Male. Three months' appointment, renewable. Rate £200 per year; quarters, meals, and laundry found.

Applicant to have been House Surgeon in General Hospital, and should be reading for examination. Apply to Secretary-Superintendent not later than 12th April.

The Sheffield Royal Hospital.

(340 Beds.)

Applications are invited for the post of WHOLE-TIME CLINICAL ASSISTANT to the Ophthalmic Department. The duties are of registrar type, and candidates should have good out-patient experience. Salary £300 per annum, non-resident.

The appointment is, in the first instance, for one year.

W. H. BOOTH, Superintendent and Secretary.

City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Coporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 3rd April, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 9th March, 1937.

Northamptonshire.

COUNTY MEDICAL OFFICER OF HEALTH AND CHIEF SCHOOL MEDICAL OFFICER.

The Northamptonshire County Council invite applications for the appointment of County Medical Officer of Health and Chief School Medical Officer for the Administrative County of Northampton.

Applicants must be legally qualified and duly registered Medical Practitioners, and hold a Diploma in Sanitary Science, Public Health, or State Medicine. They must also have had previous experience in Public Health administration under a local government authority.

The salary will be at the rate of £1100 per annum, payable monthly, together with offices, staff, stationery, and such allowances for travelling and other necessary out-of-pocket expenses as the County Council shall from time to time approve. A periodical review of salaries is made by the County Council, and suitable increments of salary will be given for proved ability and satisfactory service.

The salary will be subject to a deduction of 5 per cent. per annum for superannuation in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which the County Council have adopted.

The candidate appointed will be required to pass a medical examination.

The officer appointed must reside at a place to be approved by the County Council and devote the whole of his time to the service of the Council and its Committees; he will be required to act as Medical Adviser to the County Council and its Committees, and will be responsible for the carrying out of the Public Health work now devolving upon or which may hereafter devolve upon the Council or its Committees.

The appointment is made in accordance with the provisions of Section 103 of the Local Government Act, 1933, and is to be determinable (subject to the provisions of Sub-section 3 of that Section) upon three months' notice on either side.

Further particulars, if required, may be obtained on application to the undersigned.

Applications, endorsed "Medical Officer," with not more than three recent testimonials, giving full particulars of the training, qualifications, experience, and age of the applicant, should reach the undersigned on or before April 5th.

Applications and testimonials for the use of members of the Public Health, &c., Committee must be printed or typewritten, and not less than thirty copies should be supplied for this purpose.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.

County Hall, Northampton, 12th March, 1937.

Royal Hampshire County Hospital,

WINCHESTER.

Applications are invited for an additional HONORARY ANÆSTHETIST to the Hospital. Candidates must be Fellows or Members of one of the Royal Colleges of Physicians of Great Britain or Ireland, or a Graduate in Medicine of one of the Universities of Great Britain or Ireland, and must be duly registered.

Applications, with testimonials, not more than three, to be sent to the Secretary not later than 3rd April.

Canvassing, direct or indirect, is prohibited.

11th March, 1937. HERBERT MASLEN, Secretary.

Cumberland Infirmary, Carlisle.

(Beds—160. Four Male R.M.O.'s.)

Required, Male HOUSE SURGEON, Special Departments (Eyes, Ear, Nose, and Throat), and part Casualty.

Applications are invited for this post, vacant on 1st April, 1937. Six months' appointment. Previous experience desirable.

Salary at the rate of £155 per annum, board, residence, &c.

Applications, stating age, nationality, qualifications, &c., with copies of not more than three testimonials, must be received by first post Wednesday, 24th March, 1937, by the undersigned, who will supply further particulars if desired.

12th March, 1937. J. G. HOWITT, Secretary.

City and County of Newcastle-upon-Tyne.

NEWCASTLE GENERAL HOSPITAL. (795 Beds.)

CONSULTING SURGEON FOR THROAT, NOSE AND EAR CASES. (PART-TIME.)

Applications are invited from registered Medical Practitioners for the appointment (part-time) of Consulting Surgeon for Nose, Throat, and Ear cases at the Newcastle General Hospital. Salary £175 per annum.

Applications to be sent to the Medical Officer of Health, Health Department, Town Hall, Newcastle-upon-Tyne, 1, from whom further information as to the duties attaching to the appointment may be obtained.

13th March, 1937.

Oldham Royal Infirmary.

HOUSE SURGEON required for a period of six months.

Salary at the rate of £175 per annum, with board, residence and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the undersigned not later than the 25th March, 1937. H. J. CLOUT, General Superintendent.

Kent County Ophthalmic and Aural

HOSPITAL, MAIDSTONE.
(109 Beds.)

Applications are invited for the post of OPHTHALMIC HOUSE SURGEON, which becomes vacant on the 16th April. The appointment is for six months, but a Senior post at a higher salary may be given after that period if mutually agreed upon. Candidates must be duly qualified and registered. Medical Practitioners, single, and of British birth and nationality, and should have experience of refractions. Salary at the rate of £200 per annum, with board, residence, and laundry. The Hospital is recognised by the Examining Board for the D.O.M.S.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned. JOHN W. STRICKLAND, Secretary.

Surrey County Council.

EPSOM COUNTY HOSPITAL. (300 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the above appointment. The Hospital is at present administered by the Public Assistance Committee, but will, it is expected, be appropriated to the Public Health Committee on the 1st April, 1937. It is approved by the General Nursing Council and the Ministry of Health as a complete training school for nurses. The work undertaken includes Surgery, Medicine, and Midwifery.

Applicants should have had experience as a House Surgeon or Physician. Experience in Midwifery is very desirable.

The appointment is for a period of six months, renewable for a further period of six months, and the gross salary is at the rate of £375 per annum, less a deduction of £125 in respect of board, lodging, and laundry.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer," and sent to the County Medical Officer, County Hall, Kingston-on-Thames, so as to be received not later than the 31st March, 1937.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-on-Thames, 15th March, 1937.

County Council of York, East Riding.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from Medical Men holding the Diploma of Public Health for the appointment of Assistant County Medical Officer of Health. The person appointed, who will work under the direction of the County Medical Officer of Health, will be required to perform such general public health work as may from time to time be required by the Council, and, in addition, to assist with the supervision of a Residential Institution for Mental Defectives.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum, with an allowance in accordance with the Council's scale for the use of a motor car.

The appointment will be an established post under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

The appointment will be subject to one month's notice on either side.

Forms of application may be obtained from the undersigned, to whom they should be returned with copies of three recent testimonials, not later than Saturday, the 10th April, 1937.

GODFREY MACDONALD, Clerk of the Council.

County Hall, Beverley, 15th March, 1937.

General Infirmary, Salisbury.

(Voluntary Hospital, 195 Beds, now in course of extension to 225 Beds.)

There is a vacancy for HOUSE SURGEON (Male).

The appointment is for six months, with the right of applying for re-appointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

City of Liverpool.

ASSISTANT RESIDENT MEDICAL OFFICER, CITY INFECTIOUS DISEASES HOSPITALS.

Applications are invited for the above appointment for a period of one year at a salary of £250 per annum, together with the usual residential allowances. The person appointed will not be allowed to engage in private practice, and will be required to devote whole-time service to the duties of the Office.

Candidates will be required to possess a registered Medical and Surgical qualification, and should have a knowledge of Bacteriological methods.

Applications to be made upon forms obtainable from the Medical Officer of Health, Municipal Annexe, Dale-street, Liverpool, to be endorsed "Assistant Resident Medical Officer," and returned to the undersigned so as to be received not later than Thursday, 1st April, 1937. W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2,
March, 1937.

Leicestershire County Council.

COUNTY SANATORIUM AND ISOLATION HOSPITAL, MARKFIELD.
(200 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the post of an unmarried Male Junior Resident Medical Officer at the above Institution.

The appointment will be for a period of six months, renewable, if satisfactory, for a further six months.

The salary will be £300 per annum, together with board, residence, and laundry.

The person appointed will have opportunities of gaining experience in the treatment of Tuberculosis and Infectious Diseases and in X Ray work.

Forms of application may be obtained from the undersigned, and must be received, together with copies of not more than three recent testimonials, not later than the 9th April, 1937.

LUCAS E. RUMSEY, Clerk of the County Council.

County Offices, Leicester, 15th March, 1937.

County Council of Middlesex.

RESIDENT ASSISTANT MEDICAL OFFICERS, WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH.

Applications are invited for the appointment of three Resident Assistant Medical Officers. Candidates must be registered Medical Practitioners, who have held resident appointments in a General Hospital. For two of the appointments special experience in medicine is required, and for the third appointment candidates must have had special experience in surgery. The officers appointed will work under the direction of the Medical Superintendent, and will devote their whole time to official duties.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum, with board, lodging, and laundry, valued at £100 per annum.

The appointments, which will be subject to medical examination, will be held during the pleasure of the Council, and are terminable by one month's notice on either side.

The appointments, which do not carry any rights under the County Council's Superannuation Act, are for a period of four years, at the end of which period the officers will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than April 3rd. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, West Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1.
12th March, 1937.

The Royal Infirmary, Sunderland:

CHILDREN'S HOSPITAL, SUNDERLAND AND HEATHERDENE CONVALESCENT HOME, HARROGATE. (405 Beds.)

INAUGURATION OF A FRACTURE CLINIC.

APPOINTMENT OF ORTHOPÆDIC SURGEON.

Applications are invited for the post of Surgeon to the new Orthopædic Department and Fracture Clinic.

Applicants should be under the age of thirty-five years, and must possess the Diploma of Fellow of one of the Royal Colleges of Surgeons of Great Britain or Ireland, or the Degree of Master of a British or Irish University.

Experience in Orthopædic Surgery in General and in Fractures in particular is essential.

An honorarium is attached to the post.

Further particulars and official application forms may be obtained from the undersigned before Saturday, 27th March, 1937. J. A. BEARDSALL, House Governor and Secretary.

King Edward VII. Hospital, Windsor.

(200 Beds.)

HOUSE SURGEON required (preferably with Ear, Nose, and Throat experience). Applicants must be fully qualified Men or Women and registered.

Salary at the rate of £100 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, accompanied by testimonials, should be sent to the undersigned not later than April 8th. A. E. CHURCHER, Secretary.

Glasgow Royal Mental Hospital,

GARTNAVEL.

JUNIOR ASSISTANT PHYSICIAN wanted for the above hospital as soon as possible. Candidates must have general hospital experience, and preference will be given to anyone desiring to specialise in Psychiatry. Salary £300 per annum, with board, apartments, and laundry.

Applications, with copies of testimonials, to be sent to the Medical Superintendent, Dr. ANGUS MACNIVEN.

County Borough of Grimsby.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Male Assistant Medical Officer of Health at the GRIMSBY CORPORATION HOSPITAL. This Institution has 98 Beds for Pulmonary and Surgical Tuberculosis, and 72 for Infectious Diseases.

Candidates must be unmarried, and have held a resident post in a General Hospital. The possession of a Diploma in Public Health is essential, and Hospital experience in regard to Infectious Diseases will be deemed an additional qualification.

The salary is £500 per annum, rising by annual increments of £25 to £700 per annum. £120 per annum will be deducted for board, residence, and laundry.

Forms of application and any further information desired may be obtained from the Medical Officer of Health, 184, Victoria-street, Grimsby. Applications, endorsed "Assistant Medical Officer," must reach me not later than Saturday, 3rd April, 1937. JOHN W. JACKSON, Town Clerk.

Municipal Buildings, 170, Victoria-street, Grimsby.

The Christie Hospital and Holt Radium

INSTITUTE, WITHINGTON, MANCHESTER.
(114 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER to the above Hospital and Institute for duty with the Radiotherapy Department. Appointment is for six months in the first instance, but is renewable. Salary at the rate of £150 per annum, plus residence (private suite), board, &c.

The appointment offers an excellent opportunity of obtaining experience in Radium and X Ray Therapy. Candidates must have had previous Medical and Surgical experience.

Applications, stating age, qualifications, and previous experience, to be submitted immediately to the undersigned.

PERCY N. GLASS, Superintendent.

City of Salford.

ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER (PART-TIME).

Applications are invited for the above-mentioned permanent post at a fee of £1 11*s.* 6*d.* per session, for an average of Five Sessions weekly. The post is not pensionable. Applicants should have had special experience in Midwifery and the Diseases of Children.

Form of application and conditions of service may be obtained from the Medical Officer of Health, 143, Regent-road, Salford, 5, Lancs., to whom the form should be returned, accompanied by copies of not more than three recent testimonials, not later than Saturday, 3rd April, 1937.

H. H. TOMSON, Town Clerk.

Bootle General Hospital, Bootle,

LIVERPOOL, 20.

Applications are invited for HOUSE SURGEON to Special Departments (Orthopædic, Ear, Nose, and Throat, Gynæcological, &c.).

Applicants must be duly qualified and registered under the Medical Acts.

The appointment will be tenable for six months from 1st April next.

The salary attached to the post is £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent to me immediately.

A. J. COOPER, Secretary-Superintendent.

Hull Corporation Health Department.

HULL MUNICIPAL MATERNITY HOME AND INFANTS' HOSPITAL. (104 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER (Woman).

Applications are invited from unmarried or widowed Women Medical Practitioners for the appointment of Junior Resident Medical Officer at the above Institution.

Salary £100 per annum, together with board, washing, and residence at the Maternity Home.

The appointment will be for six months with a possible extension for a further period of six months.

Applications, on forms to be obtained from the undersigned, are returnable not later than noon on Monday, April 5th, 1937.

NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department (171), Guildhall, Hull, March, 1937.

Kent and Canterbury Hospital,

CANTERBURY.

(Recognised by Royal College of Surgeons for Study for Fellowship.)
(137 Beds.)

HOUSE SURGEON (Male, unmarried), for General and Ear Nose, and Throat work. To commence duty immediately Six months' appointment. Salary payable at the rate of £125 per annum, with board, residence, and laundry. There are two other resident medical officers.

Applications, stating age and particulars of qualifications, together with copies of testimonials, should be forwarded to the undersigned at once. S. I. WARD, Secretary.

County Mental Hospital, Lancaster.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Lady).

Candidates must be single and under thirty-five years of age. Commencing salary £500, rising by annual increments of £25 to £600, with further increase on promotion, subject to a deduction of 3 per cent. under the Asylums Officers' Superannuation Act. There are no emoluments.

The selected candidate will be required to live in the Hospital, and she will be provided with board, lodging, &c., for which a charge of £150 a year is made.

The possession of a Diploma in Psychological Medicine will entitle the Officer to an additional £50 per annum.

Applications, giving full particulars, with testimonials (copies only), should be forwarded at once to the Medical Superintendent.

Cheshire County Mental Hospital,

PARKSIDE, MACCLESFIELD.

Male ASSISTANT MEDICAL OFFICER required, not over thirty years of age and single. Previous mental hospital experience not essential. Salary £350, rising annually by £25 to £450, with board, apartments, and laundry valued at £100, subject to deductions under the Asylums Officers' Superannuation Act, 1909.

The successful candidate will be expected to obtain the D.P.M. (which carries with it an addition of £50 per annum to the salary stated), as soon as possible after appointment.

There is every scope for original research, the hospital having a modern laboratory and full equipment for the latest methods of treatment.

Time will be arranged for attendance of lectures at Manchester University.

Preference will be given to candidate with laboratory experience.

Applications, stating qualifications, with copies of three recent testimonials, to be sent to the Medical Superintendent, to be received as soon as possible.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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The Maximum Commission payable on the sale of any Practice or Partnership in Great Britain, placed exclusively in the hands of this Agency is £50 (fifty pounds) which sum covers goodwill, drugs, surgery, fittings, fixtures and furniture, instruments and book debts, but not house property. Schedule of Terms will be forwarded on application.

NO CHARGE IS MADE TO PRINCIPALS FOR THE INTRODUCTION OF LOCUM TENENS OR ASSISTANTS.
Accountancy and Legal Services furnished by the Agency, where desired, at moderate inclusive charges.

PRACTICES AND PARTNERSHIPS FOR SALE.

1. WITHIN 35 MILES OF LONDON.—PARTNERSHIP.—A one-fourth Share is offered in very sound well-estab. Practice situated in pleasant country district within easy reach of London and coast. Gross cash receipts for last year nearly £7000 p.a., including substantial panel. Suitable house with very nice garden containing 2 reception, 4 bedrooms, &c. Garage. Premium 2 years' purchase. Vacancy occurs through retirement of one of four partners, each of whom works a separate district.
2. SOUTH COAST SEAPORT TOWN.—Old-estab. PRACTICE producing over £900 p.a., including panel of 1070. Double-fronted house with ample accommodation can be rented or bought. Separate surgery also on rental. Premium £1500.
3. NORTH WALES.—FAVOURITE SEASIDE RESORT.—A one-third Share (with increase later) is offered after short preliminary assistantship in old-estab. better-class PRACTICE producing about £3400 p.a. Panel of 1100. Suitable flat available for ingoing partner who should be experienced. Premium 2 years' purchase.
4. LONDON, NORTH-WEST.—PARTNERSHIP.—A one-third Share is for disposal in steadily increasing middle class Practice producing last year £2400. Small panel. Fees 7s. 6d. to 21s. Choice of houses. Premium £2000.
5. LONDON, SOUTH-EAST.—Mixed-class PRACTICE producing about £2000 p.a. Panel of 1000. Rent of surgery £72 p.a., with suitable flat above. Larger house available if wished. Premium 2 years' purchase.
6. WELL-KNOWN SOUTH COAST RESORT—PARTNERSHIP.—One-third Share in private and panel Practice producing approximately £750 p.a. Suitable accommodation available. Offers invited.
7. NORTH LONDON.—Sound old-estab. PRACTICE held by vendor over 16 years. Gross cash receipts about £2080 p.a., including panel of 2811. Fees from 2s. 6d. Suitable house and branch surgery on rental.
8. DEATH VACANCY.—FAVOURITE SOUTH-WEST COAST TOWN.—PARTNERSHIP WITH SURGICAL SCOPE.—A One-third or One-half Share is for disposal (owing to recent death of senior of two partners) in good class non-panel Practice stated to average £3600 p.a. for past 5 years. Fees 7s. 6d. upwards. Suitable house with ample accommodation can be rented or purchased. Premium for Share 2 years' purchase. Ingoing partner must be experienced, over 35, and able to undertake major surgery.
9. LONDON.—WESTERN DISTRICT.—Well-estab. very sound mixed-class PRACTICE. Panel of 1630. P.S.S. 200. Receipts approximately £1700 p.a., including large proportion ready cash. Excellent professional accommodation. Suitable bachelor or family of not more than three.
10. RIVERSIDE TOWN.—Well-estab. middle-class PRACTICE producing for last 12 months approximately £940. Selected panel of 400 to 450 patients. Visits from 5s. Very nice house in good repair with ample accommodation. Garden. Garage. Price for freehold £2000. Premium £1250.
11. MIDLANDS.—Very old-estab. good mixed-class PRACTICE situated in attractive district and producing for last 12 months over £2400. Panel of 1369. Appointments worth over £130 p.a. Fees 3s. to 21s. Midwifery from 2 gns. Excellent house specially built with all conveniences and ample accommodation. Large garden and paddock. Price for freehold £2500. Smaller house available on rental if wished. Prem. 1¼ year's purchase.
12. SURREY.—LARGE TOWN.—PARTNERSHIP.—A Five-twelfths Share is offered in old-estab. good mixed-class Practice producing about £2600 p.a. with good prospects of increase. Panel of 580 and appointments worth about £200 p.a. Fees 5s. upwards. Suitable house with 5 bedrooms can be purchased for about £1850, or another can be rented at £100 p.a. Ingoing partner should be experienced and, if possible, be able to do surgery. Premium 2 years' purchase.
13. MAIDA VALE DISTRICT.—Small non-dispensing PRACTICE producing about £350 p.a., which could be much increased. Panel brings in £100 p.a. Fees 3s. to 10s. 6d. Ground floor maisonette containing 6 rooms, bathroom, &c. Rent £100 p.a. Premium 1 year's purchase.
14. OUTLYING NORTHERN DISTRICT.—Nucleus of PRACTICE producing nearly £200 p.a. offering considerable scope. Panel of 30. Very nice house in good position could be rented or purchased. Premium £200.
15. NORTH LONDON.—Better-class non-panel PRACTICE averaging about £1000 p.a. Scope for development as vendor has not devoted his whole time to the work. Panel could be obtained if wished. Ground floor flat available or house on rental. Very moderate premium.
16. LONDON.—SOUTH-EAST.—Well-estab. middle-class increasing PRACTICE producing for last 12 months £1270. Panel of 960. Fees 2s. 6d. to 7s. 6d. Scope for development as building is in progress. Good house in excellent condition containing 2 reception, consulting, 4 to 6 bedrooms, dressing-room, &c. Price £500. Premium £2400.
17. MIDLANDS.—PARTNERSHIP.—A Share representing approximately £1300 p.a. with increase later, is offered in exceptionally sound good mixed class Practice averaging about £9000 p.a., with substantial panel and very good appointments. Excellent scope for major surgery. Suitable house available. Premium 2 years' purchase.
18. YORKSHIRE.—GOOD TOWN WITHIN EASY REACH OF COAST.—A one-fourth Share, with increase later, is offered in very old-estab. mixed-class PRACTICE producing for last 12 months nearly £4000. Substantial panel. Fees from 3s. 6d. Suitable house with 2 reception, 4 bedrooms, &c. Garage. Stabling and garden. Electric light. Gas. Can be rented at £65 p.a. or freehold purchased. Premium 2 years' purchase.
19. MIDLANDS.—COUNTY TOWN.—PARTNERSHIP.—A one-quarter Share (with increase later) is for disposal in mixed-class Practice averaging over £2500 p.a., including panel of 2800. Fees from 3s. 6d. Suitable house can be obtained. Preliminary assistantship if wished.
20. EAST COAST.—Small PRACTICE producing over £300 p.a., including panel of 360. Fees from 5s. Suitable house with ample accommodation. Price for freehold £1500. Premium £550.
21. SOUTH COAST.—PARTNERSHIP.—One-third Share is offered in old-estab. non-dispensing Practice in favourite town producing last year £3461. Selected panel of 400. Fees 3s. 6d. to 21s. Suitable freehold house for sale. Ingoing Partner must be well qualified and accustomed to better class work. There are two hospitals and one partner is on the staff.
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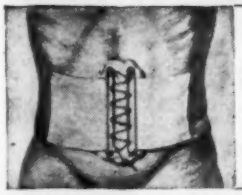

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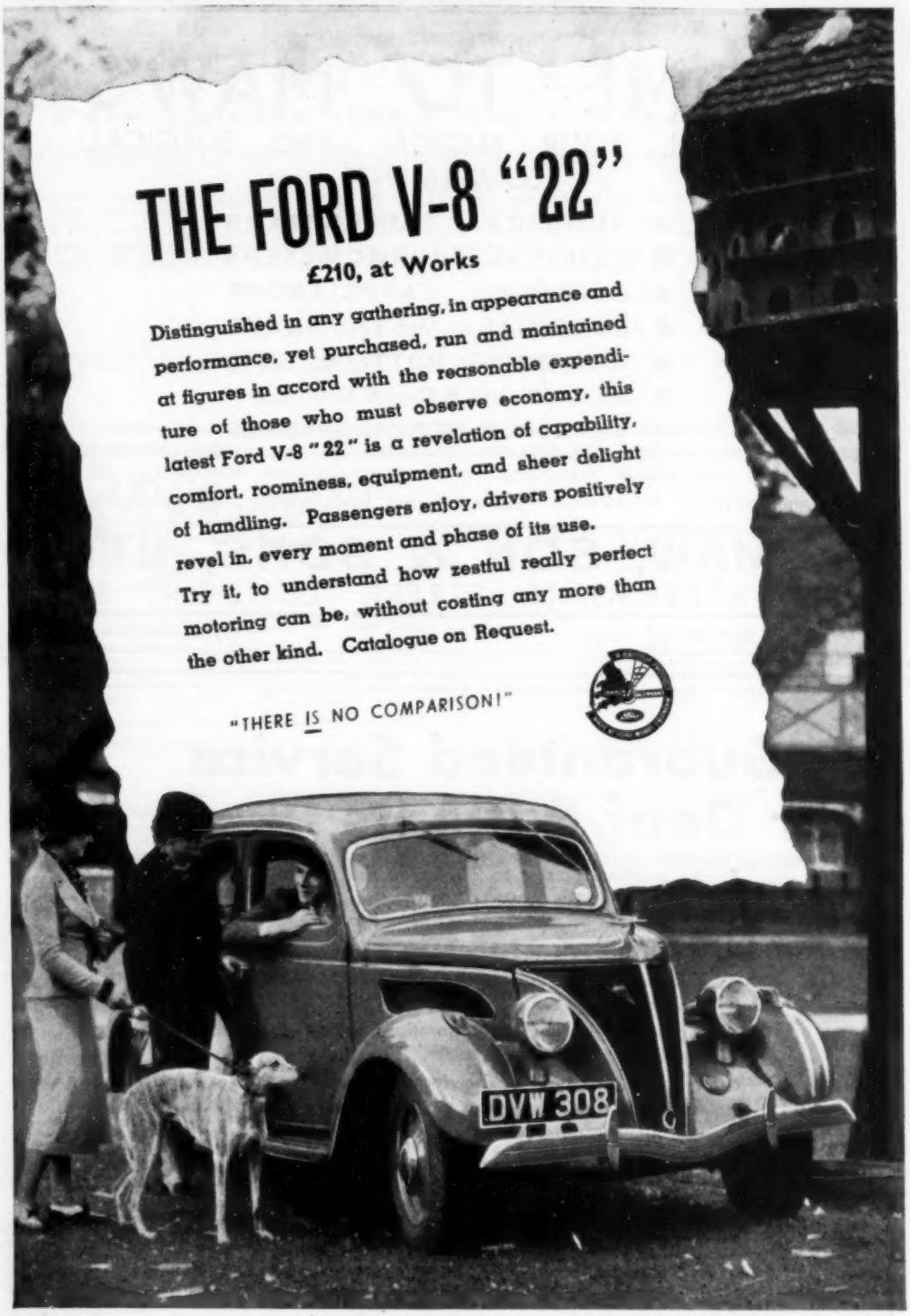

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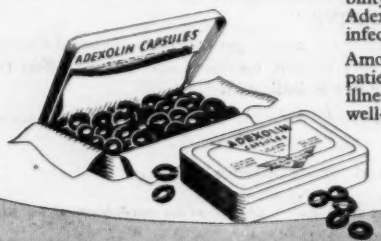

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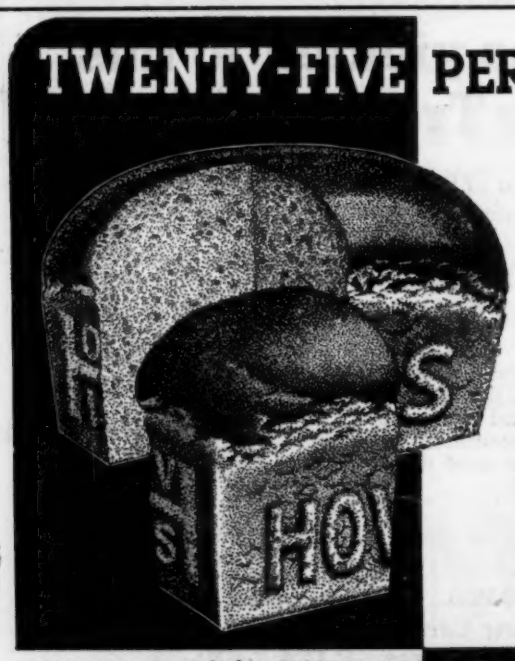

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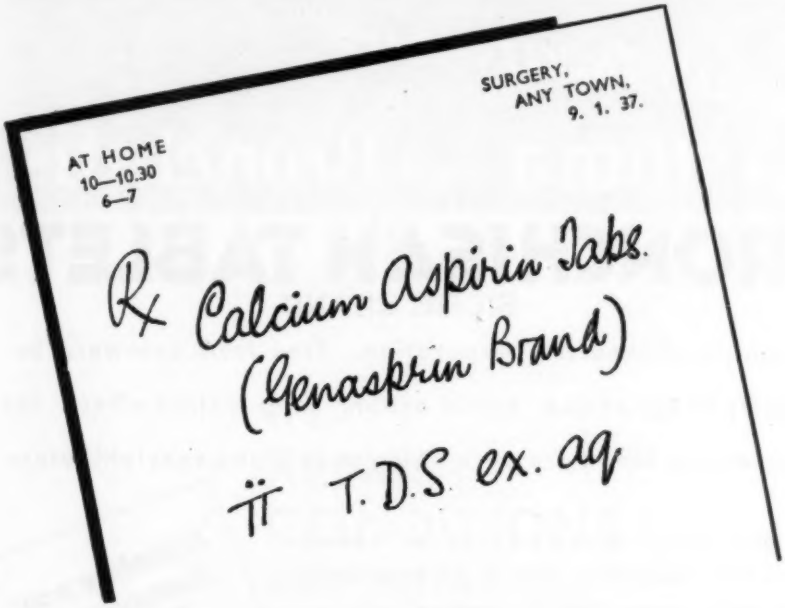

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1 teaspoonful morning and evening in a tumblerful of water.

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This preparation does not come under the Dangerous Drugs Act.

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The high potency of Neo-Hepatex renders it most economical in cost

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CAPSULES

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SCARLATINA STREPTOCOCCUS ANTITOXIN

GLOBULINE *Lederle* MODIFIED

WE collected the experience on 306 patients in 18 hospitals and found, as we expected, that our Globulin-Modified process of refinement had cut in half the percentage of reactions. The percentage of *severe* reactions was only 2%!

We also found in our hands new evidence of the efficacy of antitoxin in heading off sequelae, if administered *early*.

Irrespective of the apparent severity of the case, patients treated on the first or second day of the disease, in most instances, showed a prompt cessation of all symptoms within a few days. When treatment was delayed beyond this period, there was a sharp rise in the incidence of secondary complications and their severity.

Number of Cases	132	97	22
Antitoxin given on	1st and 2nd days	3rd and 4th days	After 4th day
Adenitis	3.7%	7.2%	4.5%
Otitis media	6.1%	8.2%	18.1%
Mastoiditis	. .	1.03%	13.6%
Nephritis	. .	1.03%	4.5%
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For maximum clinical response, institute antitoxin therapy early and in adequate dosage.

The coming of the Globulin-Modified antitoxin largely relieves the physician from the old fears of reactions and clears the way for the use of the ideal therapy, even in the mildest cases, reducing the incidence of secondary complications.

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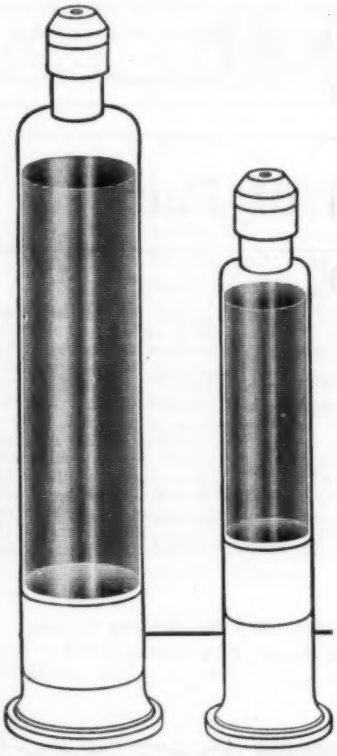

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Colloidal Hydroxide of Aluminium

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WHATEVER be the fundamental cause of nervous dyspepsia, it is acknowledged that alleviation of the gastric symptoms is an important part of effective treatment.

Nervous dyspepsia connotes hypersecretion. This causes flatulence, sour stomach, discomfort and perhaps pain. "Alocol" is the ideal gastric sedative since its action is prompt and lasting and entirely free from harmful effects.

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M263

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AMONG the many and diverse analgesics which have been evolved by modern chemical research, acetyl-salicylic acid retains its reputation as one of the safest and most effective. Its tendency to liberate salicylic acid—the irritant properties of which are well known to physicians—has, however, caused many to hesitate to employ it as widely as it deserves. Exhaustive trial in hospital and private practice proves that "Alasil" definitely solves the problem of administering acetyl-salicylic acid in an effective form, being free from the risk of irritating the stomach or bowels or of causing general reactions.

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ALASIL

M268

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"Pollaccine" is an extract of grass pollen prepared in the Laboratories of the Inoculation Department (Founder, Sir A. E. Wright, M.D., F.R.S.) of St. Mary's Hospital, London, and is considered to be polyvalent for the pollen of all grasses.

Further details concerning its use for the prophylaxis of hayfever will be furnished on request.

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Tablets of 0.5 gramme.

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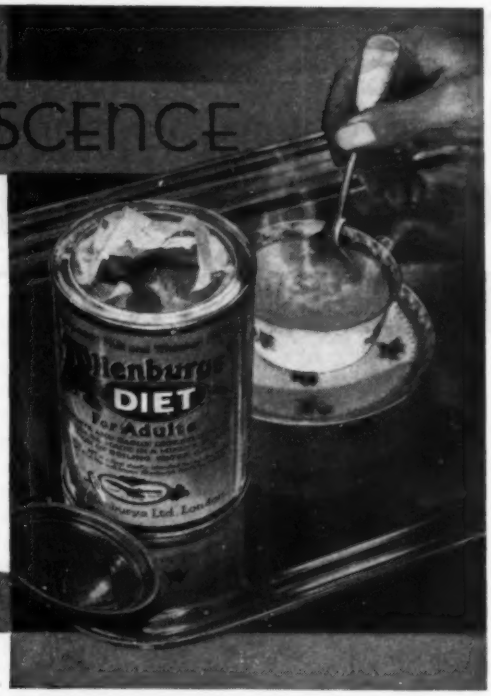

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especially when of gonorrhoeal origin, where the prolonged application of heat, together with the systemic treatment, is of paramount importance.

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IN THE TREATMENT OF

ACUTE INFECTIONS

Researches by Eppinger and his co-workers show clearly that acute infections are characterised by two distinct processes which are at work simultaneously. (i) The specific toxic process due to micro-organisms and their toxins, against which specific immune bodies are elaborated. (ii) The non-specific process due to products of protein decomposition such as unsaturated aliphatic compounds containing the allyl group. The essential phenomena are increased vascular permeability, dehydration of the blood and serous inflammation of internal organs. Damage to the reticulo-endothelial system diminishes the power of developing specific resistance to infection. The fact that these two distinct processes are involved makes Quinine-Calcium-Sandoz particularly suited for the treatment of acute infections, especially pneumonia and other acute respiratory conditions. Quinine has long been recognised as a valuable therapeutic agent in such conditions. It is bactericidal for the pneumococcus organism and its antipyretic action assists in controlling body temperature. Calcium is first among non-specific methods of stimulating tissue defensive reactions. It reduces tissue irritability and inhibits inflammation and exudation. It stimulates the cardio-vascular system, weakened as it may be by toxins, increasing the coronary circulation, strengthening the heart beat and preventing vasomotor paralysis. It causes increased phagocytic activity on the part of leucocytes and exerts a considerable sedative effect upon the nervous system.

INDICATIONS

Lobar pneumonia.
Bronchopneumonia.
Influenza.
Acute and chronic bronchitis.
Follicular tonsillitis.
Laryngitis.

COMPOSITION

A 6% solution of quinine gluconate in Calcium-Sandoz 10% supplied in ampoules of 2 cc., 5 cc. and 10 cc.

DOSAGE

Average adult dose: 10 cc. intragluteally daily. In pneumonia the best results are obtained if treatment is started during the exudative stage. Treatment should therefore begin early, giving 5 cc. to 10 cc. by slow intravenous infusion, if necessary followed on the same day by one or possibly two additional doses of 10 cc. by deep intragluteal injection. Dosage on subsequent days may be adjusted to the needs of the patient as determined by the status of the pneumonic process, pulse, temperature and respiration. Usually 10 cc. intragluteally each day for several days suffices. Children: Up to 3 years 1 cc.; from 3–6 years 2 to 3 cc.; over 6 years 5 cc. intragluteally.

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DUODENAL LAVAGE

with

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Give the patient one or two tablespoonfuls of PHOSPHO-SODA (*Fleet*) in a glass of warm water on an empty stomach.

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The patient is then turned on his left side for a 15-minute period in the same position. A glass of cold water is given at the end of this time.

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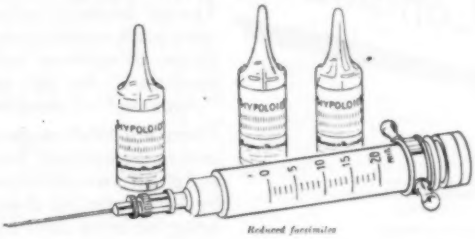

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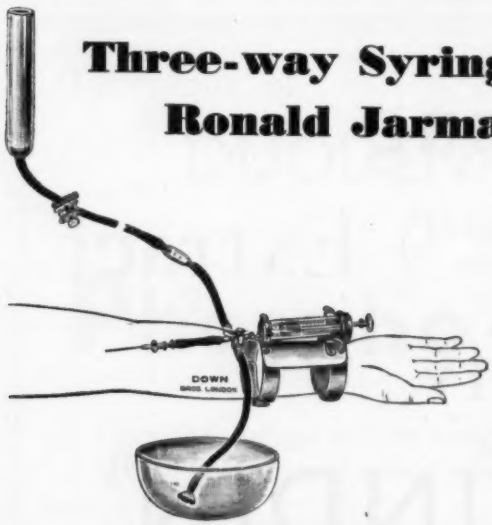

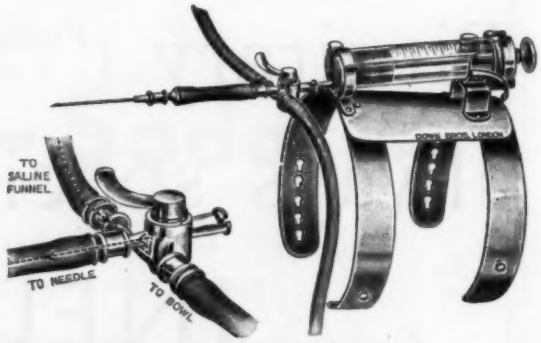

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Vide "Lancet" 14th March, 1936. "Technique of Intravenous Anaesthesia."

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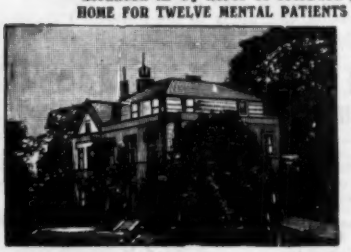

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Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2841 and 2842.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

CALDECOTE HALL

NUNEATON
WARWICKSHIRE
('Phone: Nuneaton 241)

Residential treatment of
Functional Nervous Disorders
including Alcoholism and other Addictions
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

PARK SANATORIUM

(FORMERLY SANATORIUM TURBAN)

DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs.16.– per day. Prospectus.

Medical Superintendent, F. BAUER, M.D.

BROMPTON HOSPITAL
and FRIMLEY SANATORIUM

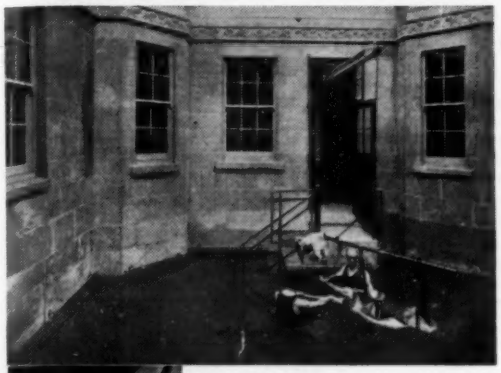
PAYING PATIENTS RECEIVED

BOTH MEDICAL and SURGICAL CASES

5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

Methods of treatment at BATH



ANNOUNCEMENT No. 4

Re-educative Movements in the Hot Pool,

another specialized BATH method. The pool is supplied with the natural radio-active water at a temperature of 101° F.

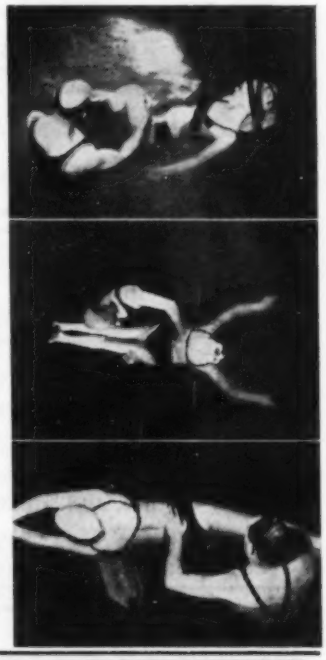
The patient is lowered into the pool by means of a sling and while immersed, or floating on the water, passive movements are carried out by the attendant or active movements by the patient. Immersion counteracting the effect of gravity, the heat of the water largely reducing spasm, movements otherwise difficult or impossible are rendered easy and effective.

Prescribed in organic nervous disorders requiring re-education of movements; in rheumatoid arthritis with multiplicity of joint involvement; in osteoarthritic conditions of the hip; in ankylosing spondylitis, etc.

The Spa Director will be pleased to answer inquiries for further information. Address, SPA DIRECTOR, THE PUMP ROOM, BATH.

There are Hotels at BATH to meet all requirements. By G.W.R. Bath is 102 minutes from London. From the Provinces Bath is served by LMS and G.W.R.

The inclusive Bath Cure Ticket 3, or 4, weeks' treatment, 4½ guineas (during December and January, and June, July and August the Cure Ticket is 3 guineas), or treatment may be obtained at the new standard tariff charge of 6/- per treatment.



Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage, Plombières Treatment, Studa Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Prospectus C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

MAISON DE SANTE DE MALEVOZ

Monthey, Valais (Switzerland)

TREATMENT OF ALL NERVOUS AND MENTAL DISORDERS

Several villas in a beautiful park overlooking the Rhone valley, with view of the Alpes vaudoises and the Dents-du-Midi. A special house is reserved for the nervous cases who are admitted without any legal formality. In the other houses voluntary and certified patients are received. Psychotherapy, psychoanalysis, individual treatment of all cases. Occupational-therapy. Sports: tennis, golf, swimming-pool, ski. The relatives of the patients may reside in the institution.

Terms from Swiss francs 15.– a day. **4 Resident Physicians.**

Apply to the—

Medical Superintendent:—Dr. A. REPOND. 'Phone: Monthey 6328. Telegr.: Malevoz-Monthey.

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 191 & 182, Winkfield Row.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

£100 Grant for Study of Homœopathy.

Applications for the Autumn Session are invited from Graduates in Medicine under the age of thirty of Universities in England, Scotland and Wales, and the University of Calcutta, for the above grant. The successful applicant will be required to undergo a Course of not less than six months at the London Homœopathic Hospital for study of the Principles and Practice of Homœopathy.

Applications must reach the Secretary, British Homœopathic Association, Chalmers House, 43, Russell-square, London, W.C.1, by 1st July.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

The Board of Management invite applications for the post of Part-time REGISTRAR. An honorarium of £100 per annum is payable, and the successful applicant will also be required to take charge of the London County Council Minor Ailments Clinic on one session a week, commencing in April, 1937.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom any further particulars can be obtained, not later than 31st March, 1937.

H. J. ELEY, Secretary.

City of London Hospital for Diseases

OF THE HEART AND LUNGS,
Victoria Park, E.2.
(Bus, Tram and Rail, Cambridge Heath L. & N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of testimonials (three), should be sent to the Secretary on or before Saturday, 3rd April, 1937.

Hospital of St. John and St. Elizabeth,

60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from 1st May, 1937. Salary at the rate of £75 per annum, with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before Tuesday, March 30th.

F. DUDLEY HOBBS, B.A., Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

HOUSE SURGEON (Male) required for six months from 1st May, 1937. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence, and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Thursday, 8th April, 1937.

H. J. ELEY, Secretary.

St. Bartholomew's Hospital.

OFFICE OF ASSISTANT PHYSICIAN.

Notice is hereby given that a meeting of the Election Committee will be held on Tuesday, 4th May, 1937, at 4 o'clock in the afternoon to elect an Assistant Physician to this Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians of London, are required to lodge fifty copies of their application and testimonials with the undersigned on or before Saturday, 17th April, 1937.

THOMAS HAYES, Clerk to the Governors.

11th March, 1937.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of MEDICAL REGISTRAR to the above-mentioned Hospital. Candidates must possess the M.R.C.P. and must not be engaged in General Practice. An honorarium of fifty guineas is attached to the post, and the appointment is for one year only, with eligibility for re-election at the end of the year.

Applications, with copies of not more than three testimonials, should reach the Secretary-Manager not later than Monday, April 5th, from whom further particulars can be obtained.

Hospital for Diseases of the Skin,
Blackfriars.

The Committee of Management invites applications for the post of PATHOLOGIST on the Staff. The Hospital possesses a fully equipped laboratory for investigation and research, and an honorarium will attach to the position.

Candidates are requested to address their applications before 15th April, 1937, to— L. MUNDY,
Secretary to the Hospital for Diseases of the Skin.
71, Blackfriars-road, S.E.1.

Hospital for Diseases of the Skin,
Blackfriars.

The Committee of Management invites applications from fully qualified Men and Women for posts as CLINICAL ASSISTANTS. The appointments will normally be made for a period of six months but this term may be extended.

Applications, with testimonials in support, should be addressed before April 15th, 1937, to— L. MUNDY,
Secretary to the Hospital for Diseases of the Skin.
71, Blackfriars-road, S.E.1.

Paddington Green Children's Hospital
(Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1937.

Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 16th, 1937. Salary of each at the rate of £150 per annum, with board and residence. Candidates who have held a responsible Resident Hospital appointment are preferred. The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

Royal Free Hospital,
Gray's Inn-road, W.C.1.

Applications are invited from duly qualified and registered Medical Women for the following post:—

RESIDENT CASUALTY OFFICER.

Duties to commence 1st May, 1937, for five months. Salary £150 per annum. Candidates must have held previous resident Hospital appointment.

Application forms may be had from the undersigned, and should be duly filled in and returned on or before the 10th April, 1937. RICHARD T. BARTLEY, Secretary

Hospital for Consumption and Diseases
OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER. Candidates must have held a resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing May 1st.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing May 1st.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the Wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing May 1st, with an honorarium of £50.

HOUSE PHYSICIAN (Male) at the SANATORIUM at Frimley. The appointment is for six months, commencing May 1st, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, April 3rd.

Brompton, March, 1937. F. G. ROUVRAY, Secretary.

Beit Memorial Fellowships for Medical
RESEARCH.

Notice is hereby given that an ELECTION of JUNIOR FELLOWS will take place in July, 1937. The Fellows then elected will be required to begin work on October 1st. Junior Fellowships are normally of the annual value of £400, and the usual tenure is for three years; but candidates younger than those usually elected or whose promise for medical research must be mainly judged on work outside that field may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases, and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Applications from candidates should be received by May 14th, though late entries will be accepted up to June 1st.

Forms of application and all information may be obtained by letter only addressed to:—Professor T. R. ELLIOT, M.D., F.R.S., Hon. Secretary, Beit Memorial Fellowships for Medical Research, University College Hospital Medical School, University-street, London, W.C.1.

ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination, and will be required to present themselves in London for interview and physical examination on or about 22nd April, 1937. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for a permanent commission. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

PROFESSIONAL WORK.

Ample opportunity exists in the Army for professional work in Military Hospitals and in Military Families Hospitals.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on 1st May, 1937.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

The Mount Vernon Hospital,

NORTHWOOD, MIDDLESEX.
(FOR THE TREATMENT OF CANCER.)

There will shortly be a vacancy for a HOUSE SURGEON. Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, with copies of three testimonials, to be sent to the undersigned on or before April 3rd.

W. J. MORTON, Secretary,
Offices, 32, Fitzroy-square, W.1.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited from registered Medical Practitioners for the post of ASSISTANT MEDICAL OFFICER (Male) to the Venereal Diseases Department.

Clinics: Monday, Wednesday, and Friday evenings.

Salary at the rate of £100 per annum.

Applications, together with copies of three recent testimonials, should be sent to the undersigned on or before Saturday, April 3rd, 1937.

J. C. BURDETT, Director and House Governor.

London County Council.

Applications invited from Medical Practitioners for positions of HOUSE PHYSICIAN and HOUSE SURGEON. Several positions are now vacant. General and Special hospitals. Salary £120 a year, with board, lodging, and washing. Appointment for six months in first instance.

One position of House Surgeon is for the special unit for thoracic surgery at ST. MARY ABBOTS HOSPITAL, Marloes-road, Kensington, W.8.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

London County Council.

TEMPORARY DISTRICT MEDICAL OFFICER required for Area VII, District M (Balham). Provisional salary £160.

Person engaged required to carry out duties prescribed by Public Assistance Order, 1930, and to reside in or near district. Engagement until 31st March, 1938, in first instance. Remuneration and conditions subject to review.

Application form obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned appointment at HEATHERWOOD HOSPITAL, ASCOT, BERKS. Candidates must have held resident appointment in a general hospital for at least six months.

ASSISTANT MEDICAL OFFICER, Grade II.—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for second year under certain conditions). Experience in orthopædics desirable. There is no accommodation for a woman. Married quarters not available.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 5th April.

Canvassing disqualifies.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (either sex) to the Female Departments. Candidates must be doubly qualified and duly registered.

The appointment is for six months, commencing 13th April. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous obstetric experience.

Applications, enclosing copies (only) of three recent testimonials must be in the hands of the undersigned by Thursday, 1st April, and from whom a copy of the bye-laws relating to the appointment, or any further particulars, can be obtained.

11th March, 1937. J. F. MORTON, Secretary.

Seamen's Hospital Society.

KING GEORGE'S SANATORIUM FOR SAILORS, LIPHOOK, HANTS, for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.

ASSISTANT MEDICAL OFFICER required as from 1st May for six months. Salary at the rate of £200 per annum in the first instance. There is no accommodation for a married man.

Applications, with copies of three recent testimonials, to be sent in on or before 6th April to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 13th March, 1937.

Evelina Hospital for Sick Children,

Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, as soon as possible.

W. H. SIDNELL, House Governor.

Evelina Hospital for Sick Children,

Southwark, S.E.

Applications are invited for the post of OPHTHALMIC SURGEON to the Hospital. Candidates must be Graduates in Surgery of a recognised University and either a Fellow of the Royal College of Surgeons of England or a Member of the Royal College of Physicians, London. They shall not be engaged in general practice.

The Ophthalmic Surgeon will have charge of beds, and will do one Out-patient Clinic per week. There is an honorarium of fifty guineas attached to the post.

Applications, with copies of not more than four testimonials, should reach the Secretary not later than March 31st.

Candidates will be required to call upon Members of the Medical Staff, whose names, together with the standing orders relating to the post, will be forwarded by the Secretary.

5th March, 1937. W. H. SIDNELL, House Governor.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the post of MEDICAL REGISTRAR, vacant 19th May, for one year (open to re-election). Attendance three half-days per week. Honorarium £50 per annum.

Forms of application and rules can be obtained from the undersigned, to whom applications, with copies of testimonials, should be sent by 16th April.

GILBERT G. PANTER, Secretary, Royal
Northern Hospital, Holloway-road, N.7.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

A vacancy exists for an ASSISTANT MEDICAL SUPERINTENDENT at the CENTRAL MENTAL HOSPITAL, TANJONG RAMBUTAN, in the FEDERATED MALAY STATES.

QUALIFICATIONS.

Candidates must be British subjects of European parentage under thirty-three years of age, and must have had at least two years' experience as an Assistant Medical Officer in a County, City or Borough Mental Hospital, in Great Britain or Ireland. Possession of medical qualifications registrable in the United Kingdom and a Diploma in Psychological Medicine is essential.

SALARY.

£700 a year, rising by annual increments of £35 to £1120 a year, subject to an efficiency bar at £840.

QUARTERS.

Furnished quarters are provided at a small rental.

PASSAGES.

Free passages will be provided both for an officer and his family on first appointment and when proceeding on or returning from leave.

TERMS OF APPOINTMENT.

The appointment is pensionable, subject to a probationary period of three years in the first instance.

DUTIES.

The officer will be required to assist the Medical Superintendent in the treatment of patients, maintenance of discipline, &c., in the Mental Hospital. He may be required to give lectures and clinical teaching on mental diseases to students of the College of Medicine, Singapore.

Further particulars and forms of application may be obtained from the Director of Recruitment (Colonial Service), 2, Richmond-terrace, Whitehall, London, S.W.1.

Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the appointment of THREE OUT-PATIENT OFFICERS, two to attend on Tuesdays and Fridays and one to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officers will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualification, together with photograph, must be received by the undersigned not later than 10th April, 1937.

A. J. M. TARRANT, Secretary.

Samaritan Free Hospital for Women,
Marylebone-road, London, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing May 1st next.

Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, must reach the Secretary at the Hospital on or before Tuesday, March 30th. G. H. HAWKINS, Secretary.

Connaught Hospital,
Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required.

Salary £100 per annum, with residence, board, and laundry. Appointment for six months from April 1st, 1937. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before Tuesday, 30th March.

KENELM S. ELLISON, General Secretary.

Saint Mary's Hospital for Women
AND CHILDREN, PLAISTOW, E.13.

Applications are invited for the posts of RESIDENT HOUSE SURGEON and RESIDENT HOUSE PHYSICIAN (vacant May 1st), Male or Female. The appointments are for six months and will expire on 31st October. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 8th April.

A. ERNEST WILKES, Secretary.

The National Temperance Hospital
Hampstead-road, N.W.1.

Applications are invited for the following post: HOUSE PHYSICIAN (Male). Salary £100 per annum. Board, residence, and laundry allowance being provided.

The appointment is for a period of six months, as from May 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, April 19th, addressed to the Secretary.

The Middlesex Hospital, W.1.

A vacancy for a SURGEON to the Hospital is hereby declared

A vacancy for an ASSISTANT SURGEON to the Hospital will also occur, and applications (thirty copies) for this latter office are invited, to be sent to the undersigned before noon on Saturday, 17th April next.

Candidates must be Fellows (or have passed the qualifying examination for Fellowship) of the Royal College of Surgeons of England.

By order of the Board.
S. R. C. PLIMSOLL, Secretary-Superintendent.
25th March, 1937.

The London and Counties Medical
PROTECTION SOCIETY, LTD.

The Council of the Society propose to recommend the appointment of a full-time SECRETARY.

Applicants must be registered Medical Practitioners of not less than ten years' standing, age thirty-five to fifty, and should have had experience of general practice.

Commencing salary not less than £1250 per annum.

The appointment is an annual one, and is confirmed each year at the Annual General Meeting of the Society.

Applications for appointment should contain full details of applicants' qualifications and experience, including any of secretarial work, and names of three references should be given.

Further details of the appointment can be obtained from the Secretary.

Applications should be sent to the Secretary of the Society by the 16th April, 1937.

No canvassing.

C. M. FEGEN, Secretary.
Victory House, Leicester-square, London, W.C.2.

The Hospital for Epilepsy and
PARALYSIS, Maida Vale, W.9.

A RESIDENT MEDICAL OFFICER required May 1st. HOUSE PHYSICIAN required May 1st. Applications are invited for these posts. The salaries are at the rate of £150 and £100 per annum respectively, and the appointments are for six months. Candidates for the post of Resident Medical Officer should state if they are willing to take that of House Physician, and applications, accompanied by copies of three recent testimonials, should reach me by April 10th.

The accommodation at the Hospital does not permit of Women Graduates holding these appointments.

H. W. BURLEIGH, Secretary and General Superintendent.

Dorset County Hospital, Dorchester.

APPOINTMENT OF HOUSE SURGEON.

The Committee of Management are open to receive applications for the position of House Surgeon (Male only) to take up his duties on or about May 1st, 1937.

Every candidate must be unmarried and possess a registered qualification to practise medicine and surgery from some recognised body in Great Britain or Ireland. Salary £150 per annum, with board and lodging. The appointment is for a period of six months.

All applications, accompanied by copies of three recent testimonials, should be sent to the Secretary, Dorset County Hospital, on or before Saturday, 10th April, 1937.

Candidates must be of British birth and nationality.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of SECOND HOUSE PHYSICIAN (Male), vacant April 1st. Salary at the rate of £150 per annum, plus residence, board, and laundry.

The post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

22nd March, 1937. R. J. CARLESS, House Governor.

Scarborough New Hospital, Yorkshire.
(140 Beds.)

Wanted, two Female HOUSE SURGEONS. Salary at the rate of £130 per annum, together with board, residence, laundry, &c.

Appointment for six months from May 1st, 1937.

Applications, together with copies of not more than three testimonials, to be sent to the Hon. Secretaries not later than first post April 7th, 1937.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

The Public Health Committee invite applications from MEDICAL OFFICERS (Women) to take clinical charge of a municipal maternity home (30 Beds; training school for midwives). At least one year's previous obstetrical experience in a maternity hospital is essential. Preference will be given to applicants having children's hospital experience and holding the D.P.H.

The successful applicant will be required to reside in close proximity to the maternity home. If not already holding the Master of Midwifery Diploma (S.A.) she will be required to obtain this within a year. The salary will be £600, rising by £25 to £800 per annum. The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by her.

The successful candidate will be required to pass an approved medical examination, and to contribute to the superannuation scheme established under the Local Government and Other Officers' Superannuation Act, 1922.

The appointment will be terminable by three months' notice on either side.

Applications, endorsed "Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 5th, 1937.

Part-time Radiologist required,
WOKING HOSPITAL.

Particulars from Hon. Secretary, WOKING AND DISTRICT VICTORIA HOSPITAL, WOKING, SURREY.

Bedford County Hospital.

Wanted, FIRST HOUSE SURGEON to take over his duties on April 16th for a term of not less than six months. Salary £155 per annum.

He must be fully qualified, Male, unmarried, previous Hospital experience essential, board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

Royal Salop Infirmary, Shrewsbury.
(150 Beds.)

Applications are invited from fully qualified unmarried gentlemen for the appointment of RESIDENT HOUSE SURGEON.

The appointment is for six months in the first instance, subject to re-appointment for a further period of six months if desired.

Salary at the rate of £160 per annum, with board, residence, &c.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, to be sent to the undersigned immediately.

J. W. NOBLE, Secretary-Superintendent.
Board Room, 22nd March, 1937.

The Royal Eye and Ear Hospital, BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

The Bolton Royal Infirmary.

(315 Beds, including two Auxiliary Hospitals.)

Applications are invited from gentlemen for the post of HOUSE SURGEON.

Salary £150 per annum, with board, residence, laundry, and attendance.

Applications, stating age, nationality, and experience, together with copies of testimonials, should be forwarded to the undersigned as soon as possible. G. ANWYL HUGHES, Secretary.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital, to commence duty on 1st May, 1937. The appointment will be for a period of six months, with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is re-appointed for a further period of six months the salary will be at the rate of £200 per annum.

St. Chad's Hospital contains 145 Beds, and the cases treated include General Medical, Acute Surgical and Maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician and Anæsthetist," accompanied by copies of three recent testimonials, must be delivered not later than first post on April 5th, 1937.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 15th March, 1937.

Royal Cornwall Infirmary, Truro.

(84 Beds.)

HOUSE SURGEON (Male) required with experience of Anæsthetics, to commence duties on the 1st May next. Salary £170 per annum, rooms, board, and washing.

Apply, with copies of three recent testimonials, to the Secretary, of whom further particulars may be obtained.

W. E. GRENFELL, Hon. Secretary.

Truro, 16th March, 1937.

Aberdeen Royal Infirmary.

The Board of Directors invite applications for a vacancy in the office of CLINICAL TUTOR attached to a Medical Ward. The appointment, which is an honorary one, will be for a period of one year with eligibility for re-appointment at the discretion of the Directors until a period of five years has been served.

Further particulars may be had from the undersigned, with whom applications and testimonials (four copies) should be lodged on or before 3rd April, 1937.

JOHN A. MCCONACHIE, Clerk and Treasurer.

230, Union street, Aberdeen.

Victoria Hospital, Burnley.

(150 Beds.)

HOUSE PHYSICIAN (MALE).

Applications are invited for the above post, which will become vacant on the 31st March. The duties include the giving of a certain number of anæsthetics. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board residence, and laundry. At the end of this period, re-appointment may be applied for, and, if granted, the salary for the second six months will be at the rate of £200 per annum.

Applications, giving full details of qualifications and experience, stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

Victoria Hospital, Burnley.

(150 Beds.)

HOUSE SURGEON (MALE).

Applications are invited for the above post, which will become vacant on the 31st March next. The appointment is for six months in the first instance, at a salary of £150 per annum, together with board, residence, and laundry. At the end of this period reappointment may be applied for, and if confirmed, the salary for the second six months will be at the rate of £200 per annum.

Applications, with full details of qualifications and experience, and stating nationality, together with copies of recent testimonials, should be addressed to the undersigned forthwith.

J. E. WHEATCROFT, Secretary.

Northamptonshire.

COUNTY MEDICAL OFFICER OF HEALTH AND CHIEF SCHOOL MEDICAL OFFICER.

The Northamptonshire County Council invite applications for the appointment of County Medical Officer of Health and Chief School Medical Officer for the Administrative County of Northampton.

Applicants must be legally qualified and duly registered Medical Practitioners, and hold a Diploma in Sanitary Science, Public Health, or State Medicine. They must also have had previous experience in Public Health administration under a local government authority.

The salary will be at the rate of £1100 per annum, payable monthly, together with offices, staff, stationery, and such allowances for travelling and other necessary out-of-pocket expenses as the County Council shall from time to time approve. A periodical review of salaries is made by the County Council, and suitable increments of salary will be given for proved ability and satisfactory service.

The salary will be subject to a deduction of 5 per cent. per annum for superannuation in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, which the County Council have adopted.

The candidate appointed will be required to pass a medical examination.

The officer appointed must reside at a place to be approved by the County Council and devote the whole of his time to the service of the Council and its Committees; he will be required to act as Medical Adviser to the County Council and its Committees, and will be responsible for the carrying out of the Public Health work now devolving upon or which may hereafter devolve upon the Council or its Committees.

The appointment is made in accordance with the provisions of Section 103 of the Local Government Act, 1933, and is to be determinable (subject to the provisions of Sub-section 3 of that Section) upon three months' notice on either side.

Further particulars, if required, may be obtained on application to the undersigned.

Applications, endorsed "Medical Officer," with not more than three recent testimonials, giving full particulars of the training, qualifications, experience, and age of the applicant, should reach the undersigned on or before April 5th.

Applications and testimonials for the use of members of the Public Health, &c., Committee must be printed or typewritten, and not less than thirty copies should be supplied for this purpose.

Canvassing will disqualify.

H. S. MARTIN, Clerk of the County Council.

County Hall, Northampton. 12th March, 1937.

Ancoats Hospital, Manchester.

This Hospital is recognised by the Royal College of Physicians for its Medical Practice.

RESIDENT MEDICAL OFFICER required to commence duty on the 16th April. Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Previous experience in a similar position necessary. The appointment includes the supervision of the Medical Beds and assistance in the work of the Medical Out-patients' Clinics.

Applications, stating age, qualifications, experience, and full particulars of the appointments held, to be forwarded to the undersigned on or before 31st March, together with copies of three recent testimonials.

By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Burslem Haywood and Tunstall War MEMORIAL HOSPITAL, HIGH-LANE, TUNSTALL, STOKE-ON-TRENT.

Applications are invited for the following post of RESIDENT HOUSE PHYSICIAN. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months in the first instance, re-appointment may be applied for.

Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)

(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

Leicester Royal Infirmary.
(500 Beds.)

RESIDENT RADIOLOGIST.

Applications are invited for the above newly created post.

The successful candidate will be expected to act as House Physician to the Radiologist and assist in the diagnostic and therapeutic sides of the X Ray Department.

The appointment is for six months, in the first instance, and the salary is at the rate of £200 per annum, together with board, residence, and laundry.

The holding of the D.M.R.E. Diploma will be an advantage.

Applications, giving full particulars as to age, qualifications, experience, and accompanied by not more than three testimonials, should reach the undersigned not later than April 3rd. The appointment will be made on April 21st.

GEO. W. COOLING, House Governor.

Kent County Ophthalmic and Aural
HOSPITAL, MAIDSTONE.
(109 Beds.)

Applications are invited for the post of OPHTHALMIC HOUSE SURGEON, which becomes vacant on the 16th April. The appointment is for six months, but a Senior post at a higher salary may be given after that period if mutually agreed upon. Candidates must be duly qualified and registered. Medical Practitioners, single, and of British birth and nationality, and should have experience of refractions. Salary at the rate of £200 per annum, with board, residence, and laundry. The Hospital is recognised by the Examining Board for the D.O.M.S.

Applications, stating age and qualifications, together with copies of not more than three testimonials, should be sent to the undersigned. JOHN W. STRICKLAND, Secretary.

Surrey County Council.

EPSOM COUNTY HOSPITAL. (300 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the above appointment. The Hospital is at present administered by the Public Assistance Committee, but will, it is expected, be appropriated to the Public Health Committee on the 1st April, 1937. It is approved by the General Nursing Council and the Ministry of Health as a complete training school for nurses. The work undertaken includes Surgery, Medicine, and Midwifery.

Applicants should have had experience as a House Surgeon or Physician. Experience in Midwifery is very desirable.

The appointment is for a period of six months, renewable for a further period of six months, and the gross salary is at the rate of £375 per annum, less a deduction of £125 in respect of board, lodging, and laundry.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer," and sent to the County Medical Officer, County Hall, Kingston-on-Thames, so as to be received not later than the 31st March, 1937.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-on-Thames, 15th March, 1937.

County Council of York, East Riding.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from Medical Men holding the Diploma of Public Health for the appointment of Assistant County Medical Officer of Health. The person appointed, who will work under the direction of the County Medical Officer of Health, will be required to perform such general public health work as may from time to time be required by the Council, and, in addition, to assist with the supervision of a Residential Institution for Mental Defectives.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum, with an allowance in accordance with the Council's scale for the use of a motor car.

The appointment will be an established post under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination.

The appointment will be subject to one month's notice on either side.

Forms of application may be obtained from the undersigned, to whom they should be returned with copies of three recent testimonials, not later than Saturday, the 10th April, 1937.

GODFREY MACDONALD, Clerk of the Council.

County Hall, Beverley, 15th March, 1937.

General Infirmary, Salisbury.
(Voluntary Hospital, 195 Beds, now in course of extension to 225 Beds.)

There is a vacancy for HOUSE SURGEON (Male).

The appointment is for six months, with the right of applying for re-appointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Leicestershire County Council.

COUNTY SANATORIUM AND ISOLATION HOSPITAL, MARKFIELD.
(200 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER.

Applications are invited for the post of an unmarried Male Junior Resident Medical Officer at the above Institution.

The appointment will be for a period of six months, renewable, if satisfactory, for a further six months.

The salary will be £300 per annum, together with board, residence, and laundry.

The person appointed will have opportunities of gaining experience in the treatment of Tuberculosis and Infectious Diseases and in X Ray work.

Forms of application may be obtained from the undersigned, and must be received, together with copies of not more than three recent testimonials, not later than the 9th April, 1937.

LUCAS E. RUMSEY, Clerk of the County Council.

County Offices, Leicester, 15th March, 1937.

County Council of Middlesex.

RESIDENT ASSISTANT MEDICAL OFFICERS, WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH.

Applications are invited for the appointment of three Resident Assistant Medical Officers. Candidates must be registered Medical Practitioners, who have held resident appointments in a General Hospital. For two of the appointments special experience in medicine is required, and for the third appointment candidates must have had special experience in surgery. The officers appointed will work under the direction of the Medical Superintendent, and will devote their whole time to official duties.

Salary £400 per annum, rising by annual increments of £25 to £475 per annum, with board, lodging, and laundry, valued at £100 per annum.

The appointments, which will be subject to medical examination, will be held during the pleasure of the Council, and are terminable by one month's notice on either side.

The appointments, which do not carry any rights under the County Council's Superannuation Act, are for a period of four years, at the end of which period the officers will leave the Council's service. In a special case the Council may decide to retain an officer on the established staff, in which case the salary will be increased to a maximum of £500.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than April 3rd. Application forms are not provided. Envelopes must be endorsed "Assistant Medical Officer, West Middlesex County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1.
12th March, 1937.

King Edward VII. Hospital, Windsor.
(200 Beds.)

HOUSE SURGEON required (preferably with Ear, Nose, and Throat experience). Applicants must be fully qualified Men or Women and registered.

Salary at the rate of £100 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, accompanied by testimonials, should be sent to the undersigned not later than April 8th. A. E. CHURCHER, Secretary.

City of Salford.

ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER (PART-TIME).

Applications are invited for the above-mentioned permanent post at a fee of £1 11s. 6d. per session, for an average of Five Sessions weekly. The post is not pensionable. Applicants should have had special experience in Midwifery and the Diseases of Children.

Form of application and conditions of service may be obtained from the Medical Officer of Health, 143, Regent-road, Salford, 5, Lancs., to whom the form should be returned, accompanied by copies of not more than three recent testimonials, not later than Saturday, 3rd April, 1937.

H. H. TOMSON, Town Clerk.

Hull Corporation Health Department.

HULL MUNICIPAL MATERNITY HOME AND INFANTS' HOSPITAL. (104 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER (Woman).

Applications are invited from unmarried or widowed Women Medical Practitioners for the appointment of Junior Resident Medical Officer at the above Institution.

Salary £100 per annum, together with board, washing, and residence at the Maternity Home.

The appointment will be for six months with a possible extension for a further period of six months.

Applications, on forms to be obtained from the undersigned, are returnable not later than noon on Monday, April 5th, 1937.

NICOLAS GERBIE, M.D., Medical Officer of Health.

Health Department (171), Guildhall, Hull, March, 1937.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 1st May, 1937.

County Borough of Grimsby.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Male Assistant Medical Officer of Health at the GRIMSBY CORPORATION HOSPITAL. This Institution has 98 Beds for Pulmonary and Surgical Tuberculosis, and 72 for Infectious Diseases.

Candidates must be unmarried, and have held a resident post in a General Hospital. The possession of a Diploma in Public Health is essential, and Hospital experience in regard to Infectious Diseases will be deemed an additional qualification.

The salary is £500 per annum, rising by annual increments of £25 to £700 per annum. £120 per annum will be deducted for board, residence, and laundry.

Forms of application and any further information desired may be obtained from the Medical Officer of Health, 184, Victoria-street, Grimsby. Applications, endorsed "Assistant Medical Officer," must reach me not later than Saturday, 3rd April, 1937. JOHN W. JACKSON, Town Clerk.

Municipal Buildings, 170, Victoria-street, Grimsby.

Cheshire County Mental Hospital,

PARKSIDE, MACCLESFIELD.

Male ASSISTANT MEDICAL OFFICER required, not over thirty years of age and single. Previous mental hospital experience not essential. Salary £350, rising annually by £25 to £450, with board, apartments, and laundry valued at £100, subject to deductions under the Asylums Officers' Superannuation Act, 1909.

The successful candidate will be expected to obtain the D.P.M. (which carries with it an addition of £50 per annum to the salary stated), as soon as possible after appointment.

There is every scope for original research, the hospital having a modern laboratory and full equipment for the latest methods of treatment.

Time will be arranged for attendance of lectures at Manchester University.

Preference will be given to candidate with laboratory experience.

Applications, stating qualifications, with copies of three recent testimonials, to be sent to the Medical Superintendent, to be received as soon as possible.

Newark General Hospital.

(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

Royal Hospital, Richmond, Surrey.

JUNIOR HOUSE SURGEON (Male) required to take up duties on April 16th, 1937. Salary at the rate of £100 per annum, with board, furnished apartments, and laundry. Candidates must be fully qualified, registered, and single. The appointment will be for six months, after which the successful candidate will be eligible for the Senior post.

Applications, stating age, nationality, experience, and copies of three recent testimonials, must be forwarded to the undersigned not later than April 1st, 1937.

G. M. EDEN, Secretary-Superintendent.

Manchester Northern Hospital.

(General. 113 Beds.)

The Committee of Management invite applications from qualified Medical Practitioners for the post of MEDICAL REGISTRAR to the Out-patient Department. Duties will consist of attending the Honorary Medical Staff on two mornings and one afternoon each week, at an honorarium of £50 per annum. Appointment to commence on April 19th.

Applications to be sent to the Secretary, Mr. J. C. DANIELS, 38, Barton-arcade, Manchester, 3, by April 2nd.

General Hospital, Nottingham.

(386 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Candidates are invited to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned without delay. Duties to commence early in April.

PETER M. MACCOLL, House Governor and Secretary.

General Hospital, Nottingham.

(386 Beds.)

A HOUSE SURGEON is required at the above Institution for the Ear, Nose, and Throat Department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than Wednesday, April 14th. Duties to commence on Friday, May 7th.

PETER M. MACCOLL, House Governor and Secretary.

Ancoats Hospital, Manchester.

Applications are invited for the post of full-time RADIOLOGICAL OFFICER (non-resident), to commence duty on 1st May next. Salary £300 per annum, with luncheon and tea. The appointment is for twelve months and is renewable. Candidates must hold the D.M.R.E. diploma.

Applications, stating age and particulars of qualifications and experience, to be forwarded to the undersigned on or before 17th April, together with copies of three recent testimonials.

By order of the Board.
HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

RESIDENT HOUSE SURGEON (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c. To commence duties as soon as possible.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible. T. DEWHURST, Gen. Supt. and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical practice required for the F.R.C.S. examination.

Royal United Hospital, Bath.

HONORARY ASSISTANT GYNÆCOLOGIST AND OBSTETRICIAN.

Applications are invited for the above-named post, and it will be a recommendation if the applicant possesses the Fellowship of one of the Colleges of Surgeons, which is essential before ultimate promotion to the full staff, or the Membership of the College of Obstetrics and Gynæcology.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, to be addressed to the undersigned by the first post April 12th, 1937.

A list of the names and addresses of Members of the Board of Management will be forwarded after April 8th, to whom copies of the applications and testimonials may be sent.

Canvassing will be deemed a disqualification.

J. LAWRENCE MEARS, Secretary-Superintendent.

17th March, 1937.

North Riding Infirmary

MIDDLESBROUGH.

(General Hospital. 143 Beds. Three Residents.)

CASUALTY OFFICER required for a period of six months from 1st April, 1937. (Third H.S. and H.P. is an applicant.)

The appointment will be for not less than six months and renewable. Salary £150 per annum, witn board, residence, and laundry.

Candidates, who must be Male, unmarried, and of British nationality, are asked to state whether they are prepared to apply for the combined post of THIRD HOUSE SURGEON AND HOUSE PHYSICIAN (£140 per annum) in the event of the present Resident being appointed.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

The Royal Hospital, Wolverhampton.

(Incorporated under Charter.)

HOUSE SURGEON required for Orthopædic and Fracture Department, duties to commence 1st April, 1937. The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 8th March, 1937.

Nottingham and Midland Eye INFIRMARY.

RESIDENT HOUSE SURGEON (Male) required. 56 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry.

Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

Royal Sussex County Hospital,

BRIGHTON, 7.

Applications are invited for the office of HONORARY CLINICAL ASSISTANT to the Early Nervous Disorders Department, from Ladies or Gentlemen who are Fellows, Members, or Licentiates of the Royal College of Physicians of London, Edinburgh, or Dublin, or Graduates in Medicine of one of the Universities of the British Empire, and who are duly registered under the Medical Acts.

Further particulars of terms of appointment and duties may be obtained from the undersigned, and applications must reach the undersigned at the Hospital before 12 noon on the 24th April, 1937.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

The Royal Eastern Counties' INSTITUTION FOR THE MENTALLY DEFECTIVE, COLCHESTER.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post from unmarried Male Medical Practitioners not over thirty-six years of age. Total Beds over 1700.

The medical man appointed will be stationed at the new Extension, Turner Village, and will be required gradually to assume responsibility for administrative work connected with that extension which has at present over 400 Beds. For that reason the commencing salary has been fixed at £400 per annum, together with furnished apartments, board, laundry, and attendance. No deductions. Special consideration will be given to applicants with Resident Hospital or General Practice experience. Previous specialisation in Mental Deficiency is not essential.

Apply before 7th April, giving age, nationality, full details of qualifications, and copies of testimonials, to the Medical Superintendent, Royal Institution, Colchester.

Somerset County Council.

COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners registered in the Medical Register as holders of Diplomas in Sanitary Science, Public Health, or State Medicine, for the appointment of County Medical Officer of Health and School Medical Officer.

The person appointed will be required to perform all the duties prescribed by statute or regulation and such other duties as may from time to time be assigned to him by the County Council. He will be required to devote his whole time to the duties of his appointment.

The salary will be £1500 a year, together with travelling allowance in accordance with the scale prescribed by the County Council.

The provisions of the Local Government and Other Officers' Superannuation Act, 1922, will apply to the post, and the successful candidate will be required to pass satisfactorily a medical examination.

The appointment will be determinable by three months' notice on either side.

Applications, stating age, qualifications, and experience, must be accompanied by copies of not more than three recent testimonials, and must reach me not later than the 20th April, 1937, in envelopes endorsed "Appointment of County Medical Officer of Health."

Further particulars of the conditions of the appointment may be obtained from me on receipt of a stamped and addressed foolscap envelope.

Canvassing, directly or indirectly, will be deemed a disqualification. HAROLD KING, Clerk of the County Council.

County Hall, Taunton, 19th March, 1937.

Burton-on-Trent General Infirmary.

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry. There are three residents.

Applications, giving age and qualifications, together with copies of testimonials, to be sent to E. W. THORNLEY, Secretary.

Cumberland Infirmary, Carlisle.

(Beds—160. Four Male R.M.O.'s.)

Required, Male HOUSE SURGEON, Special Departments (Eyes, Ear, Nose, and Throat), and part Casualty.

Applications are invited for this post, vacant on 1st April, 1937. Six months' appointment. Previous experience desirable.

Salary at the rate of £155 per annum, board, residence, &c.

Applications, stating age, nationality, qualifications, &c., with copies of not more than three testimonials, should be sent at once to the undersigned, who will supply further particulars if desired.

23rd March, 1937. J. G. HOWITT, Secretary.

The Liverpool Sanatorium,

DELAMERE FOREST, FRODSHAM, VIA WARRINGTON.

(175 Beds for the treatment of patients suffering from Pulmonary Tuberculosis.)

SENIOR ASSISTANT TO THE MEDICAL SUPERINTENDENT.

Applications are invited from Male Medical Practitioners with suitable qualifications for the above named appointment. Candidates must be unmarried and preference will be given to applicants who have held resident medical appointments since qualification, and have had practical institutional experience in the treatment of Pulmonary Tuberculosis.

Salary will be at the rate of £350 per annum, with board, quarters, and laundry.

The appointment is normally tenable for twelve months but may be extended.

Particulars of duties and full information, together with forms of application, can be obtained from the Medical Superintendent.

Forms completed with copies of three recent testimonials should be returned as early as possible to the Medical Superintendent, the Liverpool Sanatorium, Delamere Forest, Frodsham, via Warrington.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £150 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be sent.

Victoria Hospital, Accrington. J. KENYON, Secretary.

Bristol Royal Infirmary.

Applications are invited for the post of CLINICAL ANÆSTHETIST to the Dental Department. Honorarium of £150 per annum.

Candidates, who must be registered Medical Practitioners, to send in their applications, together with copies of not more than three testimonials, to the undersigned.

ELLIS C. SMITH, F.C.I.S.,
Secretary and House Governor.

Lancashire County Council.

COUNTY BOROUGH OF BLACKBURN.
BOROUGH OF DARWEN.
BLACKBURN AND EAST LANCASHIRE ROYAL INFIRMARY.

APPOINTMENT OF CONSULTANT OBSTETRICIAN.

Applications are invited from registered Medical Practitioners with special experience in obstetrics for the appointment of CONSULTANT OBSTETRICIAN at a salary of £1000 per annum. The gentleman appointed will be allowed to engage in private and consultant practice, subject to certain conditions.

The successful candidate will be appointed to the Honorary Staff of the Blackburn and East Lancashire Royal Infirmary, and will be required to reside within the County Borough of Blackburn.

Conditions of appointment and forms of application may be obtained from the Medical Officer of Health, Victoria-street, Blackburn, to whom completed applications should be returned not later than April 21st, 1937. CHAS. S. ROBINSON,
Town Clerk, County Borough of Blackburn.

Town Hall, Blackburn.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the following posts:—

(a) HOUSE PHYSICIAN from May 1st.
(b) HOUSE SURGEON to the Special Departments with care of beds for ear, nose, and throat, eye, gynæcological, and maternity cases from May 1st.

Each appointment is tenable for a period of six months, but is terminable at an earlier date by one month's written notice on either side.

The salary of each officer will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, April 14th. W. H. HEAD, Secretary-Superintendent.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (Male). The appointment will be for three months from April 17th, 1937. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, April 7th, 1937. W. H. HEAD, Secretary-Superientendent.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN. (760 BEDS).

The Public Health Committee invites applications from registered Medical Practitioners (Men only) for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than April 10th, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 20th March, 1937.

Wingfield-Morris Orthopædic Hospital,

HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months from mid-April. Salary at the rate of £100 per annum, with board, lodging, and laundry.

Apply, with testimonials, before April 7th, to
Commander HENDERSON, R.N., Secretary.

Royal South Hants and Southampton

HOSPITAL.

The Committee of Management invite applications for the post of HONORARY OPHTHALMIC SURGEON. All candidates must possess the Diploma of Fellow of the Royal College of Surgeons of England, Edinburgh, or Dublin, or be a Master of Surgery of some University recognised by the General Medical Council.

Applications, accompanied by copies of testimonials, should be sent on or before the 23rd April, 1937, to the undersigned, from whom any further particulars may be obtained.

HY. TRUSSON, House Governor and Secretary.

University of Leeds.

SCHOOL OF MEDICINE.

Applications are invited for a DEMONSTRATORSHIP IN THE DEPARTMENT OF PHYSIOLOGY. Salary £300 a year.

Further particulars may be obtained from The Registrar, The University, Leeds, 2, who will receive applications for the appointment on or before the 19th April.

Royal Gwent Hospital, Newport, Mon.

(210 Beds.)

Applications are invited for the following appointments, which become vacant on April 1st next:—

HOUSE PHYSICIAN. Salary at the rate of £150 per annum, together with board, quarters, and laundry. The duties include attendance at V.D. Clinics.

HOUSE SURGEON. Salary at the rate of £135 per annum, together with board, quarters, and laundry.

HOUSE SURGEON TO ORTHOPÆDIC AND FRACTURE DEPARTMENT. (Also as relief Casualty Officer.) Salary at the rate of £135 per annum, together with board, quarters, and laundry.

All the above appointments are for six months, terminating on September 30th.

Applications should be addressed to the undersigned immediately. S. CECIL HILL, Secretary-Superintendent.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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Medical Man (age 38, married, no children), fully qualified, seven years' Tropical and Tropical School experience, seeks POSITION anywhere in Tropics.—Box 46, C. VERNON & SONS, LTD., 10/14, Charterhouse-street, E.C.1.

Locum Tenens.—Provincial Medical SERVICES, LTD., 44, Silver-street, Lincoln, are prepared to receive applications from Practitioners (Male and Female) desiring to undertake Locum Work during forthcoming summer months in Eastern Counties and Midlands.

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Harley Street and District.—A number of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 10, Henrietta-street, Cavendish-square, W.1. LANG. 2601.

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Apply to

The Secretary, 30, Grosvenor Square, LONDON, W.1.

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Thompson Plaster Combined Unit for Sale, for Electro-coagulation, Endothermy, Dessication, Inhalation, &c. No reasonable offer refused.—Write, Box 2145. SAMSON CLARK, 57, Mortimer-street, W.1.

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One HOUSE SURGEON (Male)—immediately.
One CASUALTY OFFICER (Male)—immediately.
One HOUSE SURGEON to the Special Departments (Eye, Ear, Nose, and Throat) (Male)—vacant May 1st.

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

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1. WITHIN 35 MILES OF LONDON.—PARTNERSHIP.—A one-fourth Share is offered in very sound well-estab. Practice situated in pleasant country district within easy reach of London and coast. Gross cash receipts for last year nearly £7000 p.a., including substantial panel. Suitable house with very nice garden containing 2 reception, 4 bedrooms, &c. Garage. Premium 2 years' purchase. Vacancy occurs through retirement of one of four partners, each of whom works a separate district.
2. SOUTH COAST SEAPORT TOWN.—Old-estab. PRACTICE producing over £900 p.a., including panel of 1070. Double-fronted house with ample accommodation can be rented or bought. Separate surgery also on rental. Premium £1500.
3. NORTH WALES.—FAVOURITE SEASIDE RESORT.—A one-third Share (with increase later) is offered after short preliminary assistantship in old-estab. better-class PRACTICE producing about £3400 p.a. Panel of 1100. Suitable flat available for ingoing partner who should be experienced. Premium 2 years' purchase.
4. LONDON, NORTH-WEST.—PARTNERSHIP.—A one-third Share is for disposal in steadily increasing middle class Practice producing last year £2400. Small panel. Fees 7s. 6d. to 21s. Choice of houses. Premium £2000.
5. LONDON, SOUTH-EAST.—Mixed-class PRACTICE producing about £2000 p.a. Panel of 1000. Rent of surgery £72 p.a., with suitable flat above. Larger house available if wished. Premium 2 years' purchase.
6. WELL-KNOWN SOUTH COAST RESORT—PARTNERSHIP.—One-third Share in private and panel Practice producing approximately £750 p.a. Suitable accommodation available. Offers invited.
7. NORTH LONDON.—Sound old-estab. PRACTICE held by vendor over 16 years. Gross cash receipts about £2080 p.a., including panel of 2811. Fees from 2s. 6d. Suitable house and branch surgery on rental.
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9. LONDON.—WESTERN DISTRICT.—Well-estab. very sound mixed-class PRACTICE. Panel of 1630. P.S.S. 200. Receipts approximately £1700 p.a., including large proportion ready cash. Excellent professional accommodation. Suitable bachelor or family of not more than three.
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11. MIDLANDS.—Very old-estab. good mixed-class PRACTICE situated in attractive district and producing for last 12 months over £2400. Panel of 1369. Appointments worth over £130 p.a. Fees 3s. to 21s. Midwifery from 2 gns. Excellent house specially built with all conveniences and ample accommodation. Large garden and paddock. Price for freehold £2500. Smaller house available on rental if wished. Prem. 1½ year's purchase.
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17. MIDLANDS.—PARTNERSHIP.—A Share representing approximately £1300 p.a. with increase later, is offered in exceptionally sound good mixed class Practice averaging about £9000 p.a., with substantial panel and very good appointments. Excellent scope for major surgery. Suitable house available. Premium 2 years' purchase.
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20. EAST COAST.—Small PRACTICE producing over £300 p.a., including panel of 360. Fees from 5s. Suitable house with ample accommodation. Price for freehold £1500. Premium £550.
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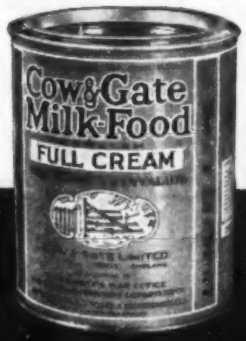

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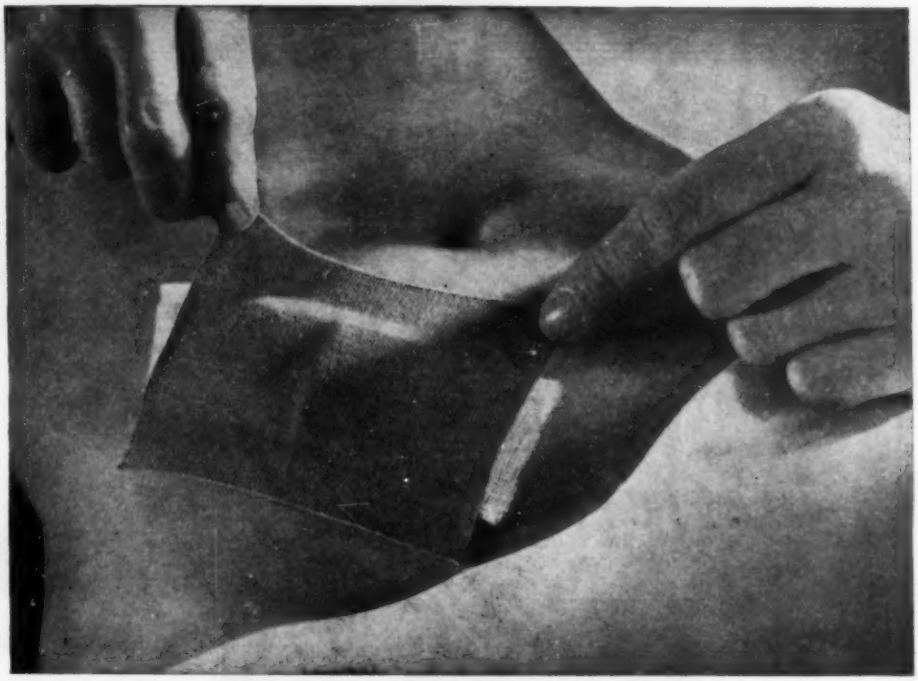

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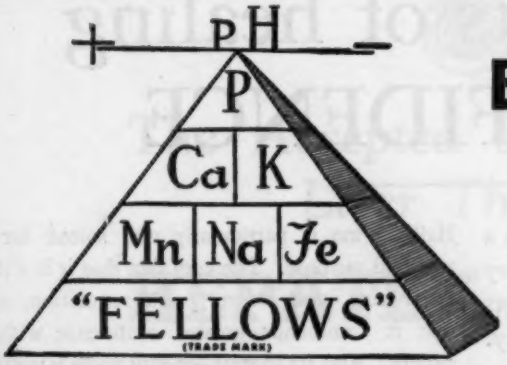

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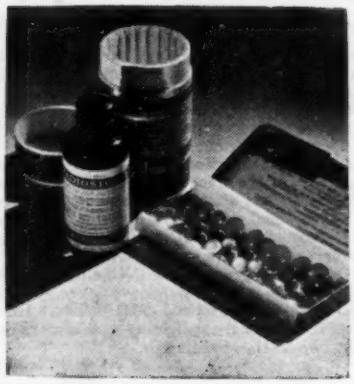

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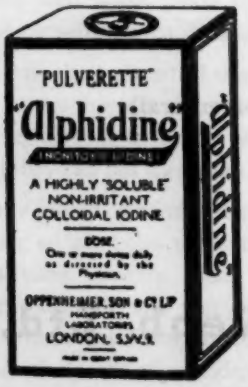

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References:

"The Medical Review," Vol. VI., No. I.
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"The Edinburgh Medical Journal," No. 567, Vol. LIV.
"The Lancet," No. 4143, Vol. CLXIV.

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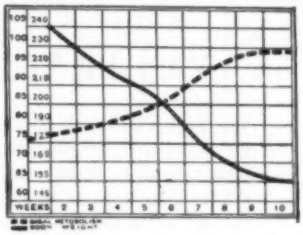

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[1] *Rentz (Upsala University): "Some investigations into the Pharmacological properties of Chlorophyll."*

A PAMPHLET★

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Over sixty years' reputation as a useful remedy in **Dyspepsia,** especially when **Pyrosis** is a conspicuous symptom, and also in all **Diseases of the Stomach.**

Used with considerable success in the various **stomachic complaints of young children.**

Supplied "Sine Opio" when desired.

Dose for Adults, half to one drachm diluted.

FORMALGAR.

This preparation is very popular with both the Medical and Dental professions as an economical, efficient and pleasant **Gargle** and **Mouth Wash.**

Used twice daily, it is an excellent remedy for **Throat Irritation** in professional singers.

One drachm in eight ounces of water forms an effective gargle for infectious **Sore Throat** etc., or an **Antiseptic Mouth Wash.**

HEPATAGEN.

This excellent compound is specially recommended as a general aperient and cholagogue in cases of so-called **"Biliousness", Hepatitis** and chronic **Gastritis.**

Supplied "Sine Cocaina" when desired.

Dose, 10 to 60 minims, according to the age and condition of the patient.

MIST. DAMIANÆ CO.
(Hewlett's)

In all cases of **enfeebled nerve power** and **deficient vitality** this preparation is a powerful remedy, relieving exhaustion and conferring renewed capacity for mental and physical endurance.

Dose, one to two drachms diluted.

THE SEAL OF QUALITY

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P 4

ACRIFLAVINE PREPARATIONS —BOOTS

ACRIFLAVINE EMULSION—BOOTS

A non-toxic, highly antiseptic surgical dressing of very wide utility containing 0·1 per cent. of Neutral Acriflavine.

BURNOL, a special form of Acriflavine Emulsion is supplied in collapsible tubes, and is especially useful for all kinds of first aid treatment.

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(Enteric-coated for internal administration.)

Many reports from physicians and urologists testify to the great value of oral administration of Neutral Acriflavine (Euflavine) as an adjunct to the routine, local treatment of Gonorrhœa.

DOSAGE: GR. ½ TO GR. 1 T.D.S. AFTER FOOD.

Preparations of Acriflavine and Neutral Acriflavine are also available in the form of Solution Tablets, Medicated Gauze, Pessaries, Bougies, and Pigment.

Further particulars and literature will gladly be sent on request.

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(MIDGLEY)

Made to 49 separate formulae

The purpose of the "Medisoap" series of medicated soaps is to enable physicians to prescribe, in a pure saponaceous basis, the medicaments indicated in any particular case of skin disease.

The formulae embrace the majority of the recognised medicaments which can be used effectively in this way. Each "Medisoap" had its origin in the prescriptions of dermatologists and the whole series has been revised from time to time in the light of accumulating medical experience. "Medisoaps" are therefore an important contribution to the therapy of the skin.

Our records show that the application of medicaments in this form is successful in a wide variety of skin diseases and there are well authenticated cases in which the method has succeeded in clearing up conditions which have defied other treatment.

Uncontrolled self-medication with unsuitable applications often causes deep seated damage to the tissues. Excepting in the rare cases when water and soap are contra-indicated, a preliminary course of "Medisoap" treatment will often soothe the irritation and pave the way to a good recovery under medical guidance.

In order to expedite the selection of a "Medisoap" appropriate to any particular skin condition, we publish a Prescribers' Index to Medisoaps, which contains a clinical index and gives the full formulae. A copy of this Index will be posted on request.

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PHYSIOLOGICAL TREATMENT OF CONSTIPATION

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DOSAGE: Commence the treatment with two tablets daily, increase or diminish the dose, according to the results obtained

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Clin. Med. & Surg., Jan., 1937.

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Clinical experience of recent years has provided ample proof of the fact that no other drug has given results so uniformly successful as has FEMERGIN (ergotamine tartrate) in the treatment of migraine. Even patients who have long been subject to migraine attacks, often of great severity, have in the majority of cases obtained almost miraculous relief following the administration of FEMERGIN.

FEMERGIN is most effective when given early in an attack, but even fully developed seizures are often relieved in one or two hours. The dosage should be varied to find the smallest amount that will be effective, but generally 0·25 to 0·5 c c. by hypodermic injection will suffice to abort or cut short an attack. In mild cases satisfactory relief may be obtained from oral administration.

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AT no time, throughout the span of life, is the proper and orderly balance of calcium, phosphorus and iron, vitamins and other highly important food elements more readily disturbed than during the period of active growth and development.

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'Ovaltine' is composed of full-cream milk, new-laid eggs and malt extract. Its sugar content is chiefly in the form of maltose, a very readily available source of energy. No cane sugar or chocolate is added to give bulk or to cheapen the cost. 'Ovaltine' is delightful to the taste and readily assimilable even by digestions impaired by disease.

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CASCARA SAGRADA was introduced into medicine by Parke, Davis & Co. in the year 1877, and their preparations of the drug have ever since enjoyed the preference of the medical profession on account of their marked superiority and reliability.

The most esteemed of these preparations is CASCARA EVACUANT, which is effective in small doses, exceptionally agreeable in flavour and in action, and offers great advantages over the ordinary bitter extract. It represents the entire therapeutic virtue of Cascara Sagrada minus the bitter principle.

CASCARA EVACUANT stimulates the functions of the liver and the intestinal glands, and gently increases peristalsis. It affords the best means of correcting chronic constipation. It is readily taken by children and by fastidious patients.

CASCARA EVACUANT is supplied in bottles of 1½, 4, 8, 16 and 80 fluid ozs.

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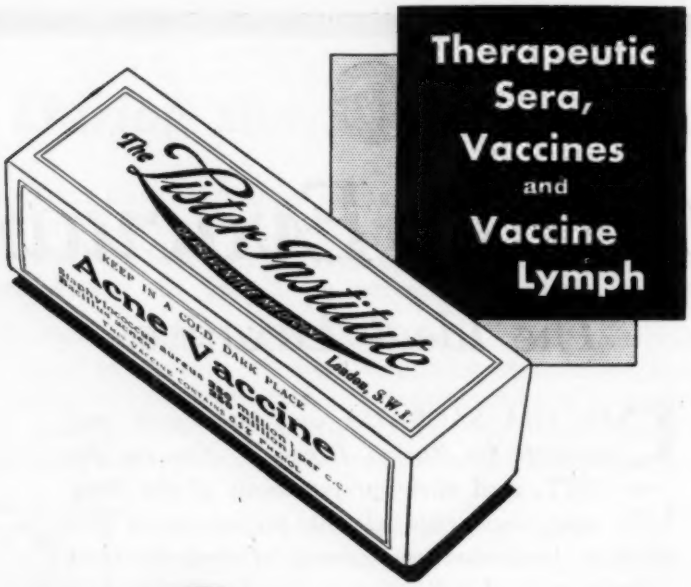
Laboratories: Hounslow, Middlesex *Inc. U.S.A., Liability Limited*



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Acne Vaccines

It has been claimed that, in certain cases of acne, where the ordinary staphylococcic vaccines have failed to ameliorate the condition, good results are obtained by the use of a mixed vaccine of the *Bacillus acnes* (Sabouraud) and the *Staphylococcus aureus*. In addition to the mixed vaccines, one consisting of the *Bacillus acnes* (10 millions per c.c.) alone is prepared.

DOSAGE: When the mixed vaccine is used the initial dose is usually 125 million staphylococci and 125 million acne bacilli. This dose may be increased to 250 and 500 millions of each organism, with an interval of 7-10 days between successive doses.

List of Acne Vaccines, with contents per c.c.

	(a)	*(b)	(c)	(d)	*(e)	*(f)
S. aureus:	250 million,	500 million,	125 million,	250 million,	500 million,	10 million
B. acnes:	10 „	20 „	125 „	250 „	250 „	

In ampoules at 2/6 each.

*Also in 10 c.c. rubber-capped vials at 15/- each.

Sole Distributors for the Lister Institute:

Allen & Hanburys Ltd.
London, E.2

In Pruritus Ani, Anal Fissure, Pruritus, Vulvæ, etc.

"Proctocaine" is a lasting, non-toxic, local anæsthetic, for use in irritating or painful conditions of the skin and subcutaneous tissues. It is an improved form of A.B.A. "Proctocaine" is a combination of oil-soluble anæsthetics of low toxicity. These are combined so as to produce *immediate local anæsthesia* which is maintained by the slow, uniform absorption of its oily vehicle, and action of its oil-soluble ingredients.

The advantages of "Proctocaine" over other solutions have been found[1] to be as follows:

1. Its effect is almost certain.
2. It produces anæsthesia or hypo-anæsthesia for periods varying from 7 to 28 days or longer.
3. The relaxation which it produces in the anal musculature is much greater and more prolonged.
4. It is comparatively non-toxic, injection of 20 to 30 c.cm. producing no general effect.
5. Even large quantities of it at one sitting have not been found to produce any local reaction if injected properly.
6. Its injection is painless if made slowly.
7. In no case did it produce severe after-pain.

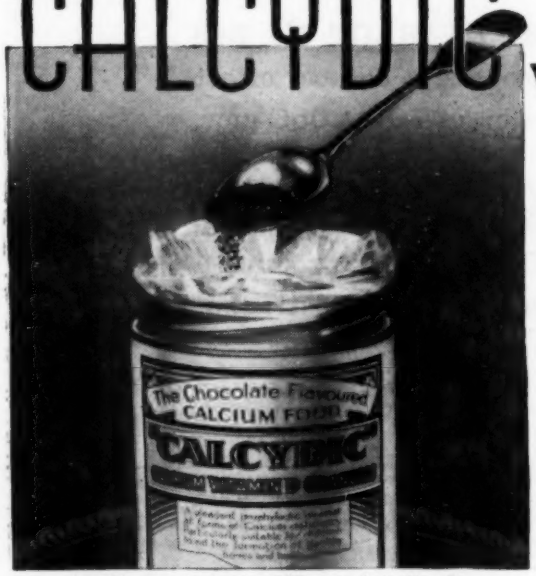
[1] *British Medical Journal*, 1935, November 16th, p. 938.

In ampoules: 2 c.cm., boxes of 6, 4/6 and 12, 8/6
5 c.cm., " " 6, 8/6
10 c.cm., " " 3, 8/6

PROCTOCAINE
Injection Solution
LOCAL ANÆSTHETIC—ANALGESIC

Telephone: 3301 Bishopsgate (12 lines) **ALLEN & HANBURYS Ltd., LONDON, E.2** Telegrams: "Greenburys Beth London"

"CALCYDIC"
calcium vitamin D granules



In Tins of ½ lb. 2/3, and 1 lb. 4/-

Descriptive literature and clinical trial sample will be sent on request

Supplies of calcium and phosphorus are essential to the action of vitamin D. Whereas ordinary calcium phosphate contains 1 part by weight of phosphorus to 2 of calcium, dicalcium phosphate ($CaHPO_4$) contains 3 parts of phosphorus to 4 of calcium. "Calcydic" Granules are delicious.

Each teaspoonful contains—

Dicalcium phosphate	7½ grains
Vitamin D	1,500 units
Glucose, Chocolate and Cane Sugar	

These granules may be given to children or adults, prophylactically or therapeutically, in rickets, pregnancy, lactation, osteomalacia, menorrhagia, convalescence, chilblains, and urticaria.

Manufactured in England by
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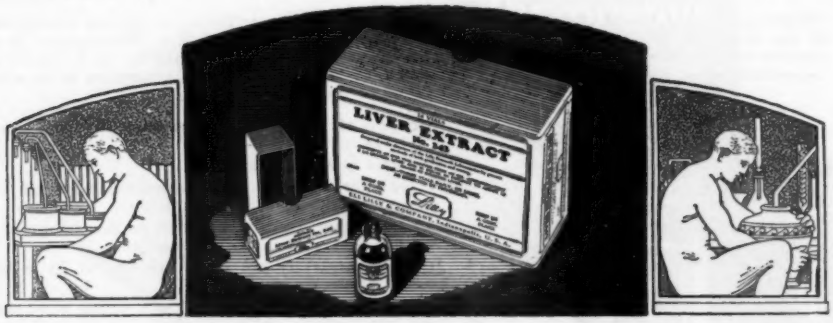
Telephone: 3301 Bishopsgate (12 lines) Telegrams: "Greenburys Beth London."



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LIVER EXTRACT No. 343 (POWDER). The contents of one vial derived from 100 gms. of liver and equal in potency to about 70 gms. ingested liver.

INJECTION LIVER EXTRACT No. 343 —LILLY. 3 c.c. produce a clinical effect equal to the ingestion of 700–1050 gms. of fresh liver.

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20 *Units per c.c.:*	5 *c.c. phials,*	1/6 *each*
20 „ „ *c.c.:*	10 *c.c.*	„ 2/10 „
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80 „ „ *c.c.:*	5 *c.c.*	„ 5/6 „

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IN ROME, THE SIBYLLINE BOOKS WERE CONSULTED FOR A REMEDY FOR PESTILENCE, WHICH WAS BELIEVED TO REQUIRE SUPERNATURAL INTERVENTION TO CHECK IT. The Sibylline Books were said to have been offered by a Sibyl to Tarquinius Superbus or Tarquinius Priscus. The Sibyl was believed to be inspired by Apollo, and the Books were probably Greek writings which reached Rome through the Greek colony of Cumæ. They were preserved in the Capitoline temple of Jupiter until destroyed when it was burnt in 83 B.C. The Books were consulted by special officers, at the Senate's command, and a suitable oracle was interpreted, usually involving some ritual. From 399 B.C., this method of treating plague was frequent. The Cumæan Sibyl, here represented on a coin, was the most renowned. On the reverse, above her tripod, are two stars, believed to indicate Phœbus and Diana, to whose cult the Sibyls were consecrated.

DATE: From c. 500 B.C. The coin: 54 B.C.

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ADEXOLIN LIQUID AND CAPSULES

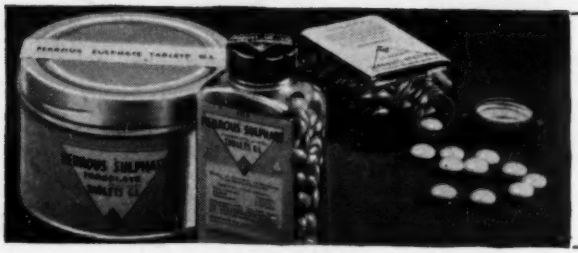
Standardised concentrates of vitamins A and D. One capsule recommended daily as a general protective tonic and nutritional barrier to seasonal infections. In pregnancy one daily for the last 100 days. For infants 2 drops in every bottle feed. Each 3m. capsule equivalent to 10 cc. and each cc. of liquid equivalent to 20 cc. of medicinal cod-liver oil. *Capsules:* boxes of 25, 2/9; 100, 8/6; 500, 30/6; 1,000, 56/-. *Liquid:* ½-oz. phials, 2/6; 2-oz. bottles, 7/6; 4-oz. 12/6; 8-oz. 22/6.

OSTOMALT

The polyvitamin malt tonic for run-down, undernourished or convalescent children and adults. Gives vitamin-protection during "epidemic months," acts as a stimulus to appetite and is of special value during periods of rapid growth. Supplies vitamins A, B, C and D in balanced, standardised and appetising form, entirely free from fishy oils. Economical dosage: teaspoonfuls are sufficient. Jars: ½-lb. 1/9; 1-lb. 3/-. Dispensary jars (more than seven times as much as in the 1-lb. jar), 17/-.

COLLOIDAL CALCIUM WITH OSTELIN

Sterile solution containing 0.5 mgm. of colloidal calcium and 5,000 international units of vitamin D (Calciferol G.L.) in each cc. For subcutaneous injection. In all conditions associated with defective calcium metabolism, chilblains and other capillary disorders, urticaria and all allergic states. Stimulates healing in delayed union of fractures. Standardised. Boxes of 6 x 1 cc. ampoules, 5/-; 12 x 1 cc. ampoules, 8/6; 30 cc. bottles, 10/-.



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For all iron deficiency anæmias. Convenient, highly effective, inexpensive. Each 3-gr. tablet contains exsiccated ferrous sulphate yielding exactly 1 gr. ferrous iron, the most effective agent for treatment, and is therapeutically equivalent to 15 grs. Blaud's Pill B.P. Dosage can therefore be achieved in minimum bulk. Bottles of 100, 2/6; tins of 500, 7/6; 1,000, 12/6.

The above prices do not apply to I.F.S.

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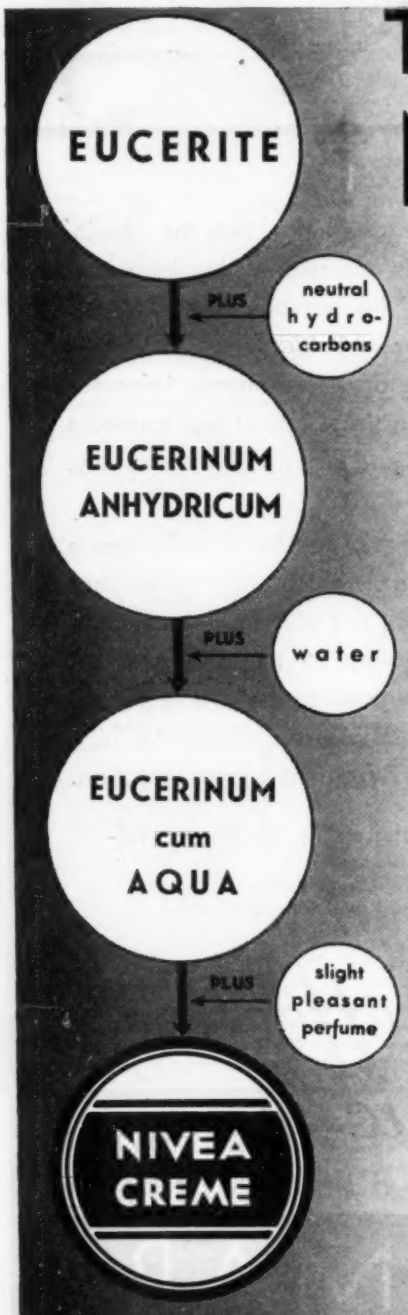
GL Products for Everyday Practice

Also :—Ostelin Liquid—the pioneer and only concentrate of vitamin D miscible with water . . . Farex Cereal Food—carbohydrate *plus* protein, vitamins A, B, D, and iron, calcium, phosphorus . . . Syrup Minadex (Reconstructive "2-in-1" Tonic) . . . Glucose D . . . Ostocalcium Tablets (Calcium with vitamin D) . . . Dissolved Vaccines G.L.

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX TELEPHONE BYRon 3434

G.L.236

The structure of NIVEA CREME



Eucerite, a substance isolated from wool-fat belongs to the group of alcohols of the meta-cholesterol series and is the substance to which wool-fat owes its hydrophylitic power. After its removal the wool-fat loses its water absorbing power.

The addition of neutral hydrocarbons forms Eucerinum Anhydricum an ointment base with deep penetrating ability. It will keep indefinitely, is odourless and non-irritant and will absorb 300% of water or watery solutions.

By adding 100% of water Eucerinum cum Aqua results. It is an excellent cooling and cleansing agent for the skin owing to its ability to absorb both water and fat.

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● The general action of 'Bynin' Amara is manifested by increased tone of the nervous, muscular and cardio-vascular systems. It stimulates the digestive organs, improves the flagging appetite, corrects anæmia and aids nutrition generally.

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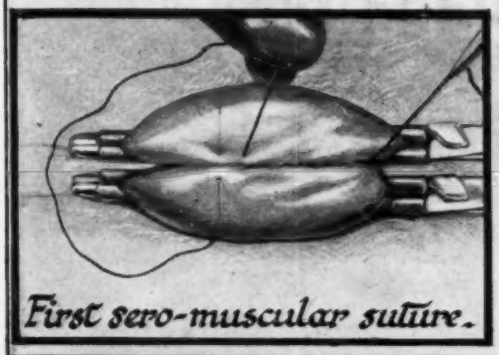
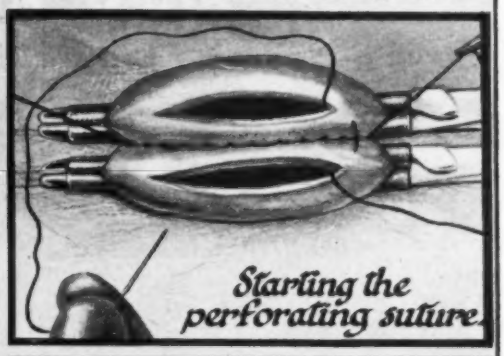
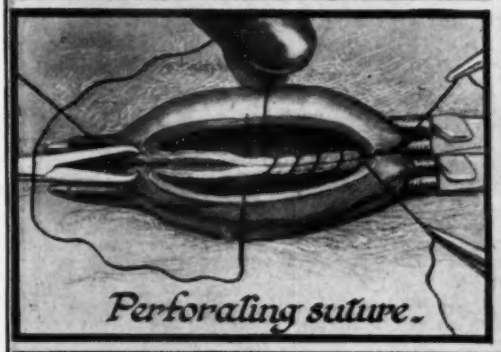
Telegrams: "Greenburys Beth London"

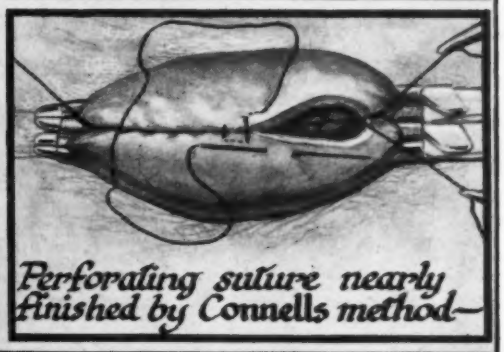
[*See also pp.* 34 & 35]

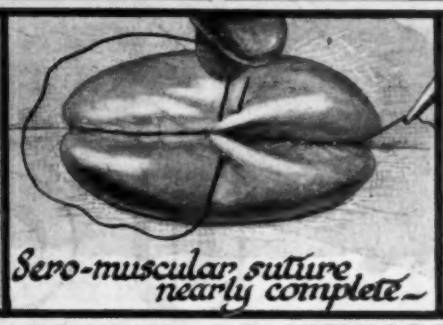
LONDON HOSPITAL CATGUT











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STERILITY. TENSILITY, ELASTICITY & ABSORBABILITY

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1 oz.	Packed	2	gross	per case
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3 oz.	,,	1	,,	,, ,,
4 oz.	,,	1	,,	,, ,,
6 oz.	,,	6	dozen	,, ,,
8 oz.	,,	6	,,	,, ,,
10 oz.	,,	4	,,	,, ,,
12 oz.	,,	4	,,	,, ,,
16 oz.	,,	4	,,	,, ,,
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The U.G.B. Washed and Sterilized Dispensing Bottle Service has stood the test of years and still remains the best value and most labour saving for dispensers.

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Vapo-Cresolene

IN CASES OF CHEST COLD, BRONCHITIS, ASTHMA, WHOOPING COUGH, SPASMODIC CROUP, and similar respiratory affections, Vapo-Cresolene brings relief. The germicidal vapour clears air passages and soothes paroxysms. Used at night during sleep, it helps the patient to obtain undisturbed rest. Vapo-Cresolene is specially prepared from creosoles of coal tar and has a reputation of 57 years standing. It is invaluable for the treatment of children. Laboratory tests by a research laboratory of unquestioned standing, show that the vapours produced from Vapo-Cresolene by the Cresolene Vapours exert a direct germicidal action when in contact with moist surfaces harbouring pathogenic bacteria associated with respiratory affections.

● *Write for informative treatise "Effective Inhalation Therapy."*

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NATURAL MINERAL WATERS OF

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SPRUDEL, MUHLBRUNNEN & SCHLOSSBRUNNEN.

These Waters act:

(1) By immediate contact with the mucous membrane of the stomach and alimentary canal, allaying pain and spasms in these organs, and stimulating the digestive organs into activity.

(2) Through the blood. That is they change its condition by increasing the proportion of alkali in the blood as well as in all derivative secretions (gall, urine, &c.).

Largely Prescribed in cases of

Chronic Gastric Catarrh, Hyperæmia of the Liver, Diabetes, Gout, Gallstones, Renal Calculi, Diseases of the Spleen and of the Kidney and Urinary Organs.

Bottled under Official Supervision at Karlsbad and regularly imported by the Sole Agents—

INGRAM & ROYLE, Ltd.,

Bangor Wharf, LONDON, S.E.1.
And at LIVERPOOL and BRISTOL.

Samples and Descriptive Pamphlet forwarded on application.

The digestive properties of

BREAD are sometimes overlooked

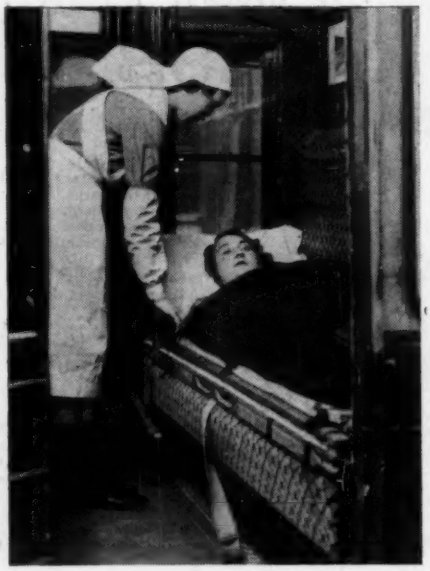
It is well to remember these words of that great authority, Prof. R. H. CHITTENDEN, Ph.D., LL.D., D.Sc. of Yale:

"A diet of bread leads to the secretion of a smaller volume of gastric juice than a corresponding weight of meat produces, but the juice secreted under the influence of bread is richer in pepsin and acid, i.e., it has a greater digestive action than the juice produced by meat."

There is thus the digestive argument as well as the more usual recommendation of

BREAD for ENERGY

C.F.H.296



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Patients can make a throughout journey on the Company's new type of stretcher, which very materially adds to the comfort of invalids who have to travel lying down.

The Company also have well appointed invalid saloons fitted with special couches suspended between the roof and floor to prevent oscillation, bedding being provided where necessary. The invalid saloons also contain arm-chairs, settees, and table.

Meals are obtainable in most cases; invalid chairs are available; and every assistance is rendered by the Company's Staff.

Full details of these facilities may be obtained from the Superintendent of the Line, G.W.R., Paddington Station, or from any G.W.R. Station Master.

GWR

BUT WILL HE GARGLE REGULARLY?

In the treatment of oral sepsis 'Dettolin' will be found of exceptional value. It contains, amongst other ingredients, the active germicidal principle of 'Dettol,' and is pleasant to use on account of its agreeable taste and smell—no small consideration when a prescribed routine must be strictly followed.

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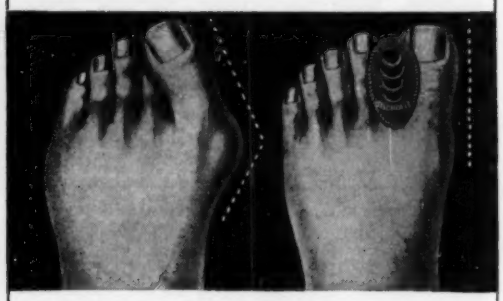

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1937.	10.30 A.M. to 1 P.M.	Conducted by—	2 P.M. to 4.30 P.M.	Conducted by—
Monday, April 26th.	Principles of the Examination of Patients.	Prof. F. R. FRASER, M.A., M.D., F.R.C.P.	Sciatica and Lumbago.	Sir WILLIAM WILLCOX, K.C.I.E., C.B., C.M.G., M.D., F.R.C.P.
Tuesday, April 27th.	Pneumonia.	Dr. R. A. YOUNG, C.B.E., M.D., F.R.C.P.	Injuries and Septic Infections of the Hand.	Mr. M. F. NICHOLLS, M.A., F.R.C.S.
Wednesday, April 28th.	Indigestion.	Dr. A. E. CLARK-KENNEDY, M.A., M.D., F.R.C.P.	Sterility.	Mr. ALECK BOURNE, M.A., F.R.C.S., F.C.O.G
Thursday, April 29th.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.
Friday, April 30th.	Obstetrical Emergencies.	Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G.	Obesity.	Dr. H. GARDINER-HILL, M.B.E., M.D., F.R.C.P.
Saturday, May 1st.	Eye Conditions in General Practice.	The Staff of the Royal London Ophthalmic Hospital, City-road, E.C.1.	—	—
Monday, May 3rd.	Common Diseases of Nose, Throat, and Ear.	The Staff of the Central London Throat, Nose and Ear Hospital, Gray's Inn-road, W.C.1.	Diagnosis of Nervous Diseases.	The Staff of the National Hospital, Queen-square, W.C.1.
Tuesday, May 4th.	Asthma.	Dr. G. W. BRAY, M.B., Ch.M., M.R.C.P.	Antenatal Examination.	Prof. JAMES YOUNG, D.S.O., M.D., F.R.C.S., F.C.O.G.
Wednesday, May 5th.	The Treatment of Common Fractures.	Mr. J. P. HOSFORD, M.S., F.R.C.S.	Common Types of Anæmia. Their Diagnosis and Treatment.	Dr. JANET M. VAUGHAN, D.M., M.R.C.P.
Thursday, May 6th.	The Acute Abdomen.	Mr. R. J. MCNEILL LOVE, M.S., F.R.C.S.	Non-operative Treatment of Common Gynæcological Conditions.	Miss ALICE BLOOMFIELD, M.D., F.R.C.S., F.C.O.G.
Friday, May 7th.	Demonstration of Local Anæsthesia.	The Staff of the School.	Diet and Disease.	Dr. GEORGE GRAHAM, M.A., M.D., F.R.C.P.
Saturday, May 8th.	Psychiatry in General Practice.	Prof. E. MAPOTHER, M.D., F.R.C.P., F.R.C.S., at Maudsley Hospital.	—	—

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For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

EPPING HOUSE

LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Squash racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 12. *Apply,* J. C. BAKER, M.B.

ST. ANDREW'S HOSPITAL
FOR MENTAL DISORDERS,
NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.
CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.
Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S.Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

HAYDOCK LODGE,
NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

THE ROYAL EARLSWOOD INSTITUTION FOR MENTAL DEFECTIVES

Patron: H.M. THE KING.

REDHILL, SURREY. *(Formerly the EARLSWOOD ASYLUM)*

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations. **SCHOOLS, FARMING, and various TRADE WORKSHOPS.**

Inclusive fees from £110 p.a. **THOSE UNABLE TO PAY** admitted by votes of subscribers, with part-payment toward cost.

RECREATIONS: ALL outdoor games, EXCELLENT BAND by Male Staff, for Concerts, Dancing, &c.

Apply, THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.
Telephone: Redhill 344. Telephone: City 4697.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 2101

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

THE RESIDENTIAL TREATMENT OF ALCOHOLISM & DRUG ADDICTION

RENDLESHAM HALL

(Postal Address), WOODBRIDGE, SUFFOLK

RENDLESHAM HALL, which is open to receive patients, is essentially a Sanatorium. Its daily life and routine are that of an ordinary comfortable holiday or health resort, or of a large country house. Each patient has all the privileges of a guest consistent with the prescribed medical treatment.

RENDLESHAM HALL

Rendlesham Hall has 45 Bedrooms, and about 450 acres of Gardens and Park. It has also a private Nine-hole Golf Course, Tennis and Croquet Lawns, and Bowling Green.

Illustrated Booklet, giving particulars as to terms, etc., can be had on application to

THE RESIDENT MEDICAL SUPERINTENDENT

Telegrams and Telephone: WICKHAM MARKET 16. (Toll Call from London.)

Proprietors: THE NORWOOD SANATORIUM, LIMITED.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

For all information apply:
THE SANATORIUM, MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

RUTHIN CASTLE, NORTH WALES

The fees are from 15 guineas a week.

They include medical attendance, all scientific investigations that may be needed, such as analyses, bacteriological cultures, the ordinary X-ray examinations, and electrocardiograph readings: all treatment that may be prescribed such as special diets, insulin, artificial sunlight, electrical treatment, baths, massage, nursing; medicines or vaccines, board and lodging.

The only extra charge is that for a complete alimentary X-ray examination, or for X-ray therapy.

All the usual forms of treatment are given at Ruthin Castle. The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales. *Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

A Favourite Resort of the Medical Profession

THORPENESS is a privately owned Estate on the Suffolk Coast in a dry, sunny, and bracing climate. No trippers or charabancs. Perfect rest, quiet, and recreation. First-class Golf Course, 64 acre Lake for Sailing and Boating, Tennis, Riding, Bridge, etc. The Dolphin Hotel and Two Guest Houses provide comfort and good food. There are also furnished houses to let. Thorpeness is especially attractive in the Spring. *For booklet apply to Estate Office, Thorpeness, Suffolk.*

IT'S FOLLY TO GO ABROAD !
IN SEARCH OF AN ILLUSORY BETTER

STRATHPEFFER SPA

HAS CURATIVE MINERAL WATERS OF WORLD-WIDE FAME, AND THE UP-TO-DATE WELLS AND BATHS ARE SECOND TO NONE IN BRITAIN

In a sylvan Ross-shire Glen, flanked by the Mountains, the Spa possesses Scenery and Sports Services assuring Excellent Holidays for all.

FINE HOTELS, INCLUDING L.M.S. HIGHLAND HOTEL, AND BOARDING HOUSE AND COTTAGE ACCOMMODATION | L.M.S. MONTHLY TICKETS AND EXPRESS SERVICES OVER PICTURESQUE HIGHLAND ROUTES MAKE TRAVEL A PLEASURE TOUR

Illustrated Guide Free from Secretary, Advertising Committee (Dept. 24), Strathpeffer Spa.

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). TERMS, 12s. to 18s. per day, inclusive of board.
Illustrated Prospectus C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

There's **LIFE** *at*
Harrogate . . . always
● *Life in her waters . . . .*
specially suitable for the treatment of Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver: Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc.: the Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis, Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.
A wide range of Sulphur waters, strong and mild, and of Iron waters, both saline iron and pure chalybeate, is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets obtainable at hotels and boarding houses, without extra charge. Complimentary and reduced price facilities for the Cure, Accommodation and Amusements for Members of the Medical Profession.
● *Life in her air, recreations, concerts, surroundings . . .*

Harrogate

MONTHLY RETURN TICKETS AT A PENNY A MILE
"IT'S QUICKER BY RAIL"
Descriptive Booklet from Spa Manager, Harrogate or any L.N.E.R. Office or Agency. 6

Most wonderful family Hydro in Europe. A self-contained Resort for conferences. Right on the edge of the sea at the best end of Blackpool. 60 acres of links. Room for 800. 2 Ballrooms. Cinema. 23 Tennis Courts. Bowls. Gym. Billiards. Covered warm Swimming Bath. Sun-ray, Tonic, and Medicinal Baths. Tariff and Terms from J. H. Shorrocks.
NORBRECK HYDRO, BLACKPOOL

STRETTON HOUSE,
Church Stretton, Shropshire.
A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2328.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

SPRINGFIELD HOUSE
'Phone: BEDFORD 3417. **Near BEDFORD**
For Mental Cases with or without Certificates.
Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).
For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.
INTERVIEWS IN LONDON BY APPOINTMENT.

BETHLEM ROYAL HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS

Monks Orchard, Monks Orchard Road, Eden Park, Beckenham, Kent.

Reg. Tel. Address: BETHLEM, BECKENHAM. *Telephone:* SPRINGPARK 1180–1181.

Station: EDEN PARK (Southern Railway)

President: VISCOUNT WAKEFIELD OF HYTHE, G.C.V.O. *Treasurer:* Sir LIONEL FAUDEL-PHILLIPS, Bart.
Physician-Superintendent: J. G. PORTER-PHILLIPS, M.D., F.R.C.P.

This Registered Hospital is now situated at Monks Orchard, in some 250 acres of park, pleasure and farm grounds. Applications can be considered on behalf of patients of the educated classes in a presumably curable condition.

With a view to early treatment, voluntary or uncertified patients are admitted.

Patients who can contribute 5 guineas weekly towards the cost of treatment and maintenance may be received as vacancies arise. The Committee will also consider applications for admission at lower rates and in certain cases will be prepared to admit patients free of charge.

Every facility for specialised investigation and treatment is provided in the Lord Wakefield Science and Treatment Unit. In this Unit is found the X-ray and Dental Departments, and the Bio-Chemical, Pathological, and Psychological Laboratories.

Furthermore, provision is made for Electro-Therapy and Hydro-Therapy to be carried out in all their forms, and occupational therapy under competent instruction is encouraged.

In addition to the Resident Medical Staff, Consultants in special branches of Medicine and Surgery are available whenever required.

The comfort of sensitive patients is greatly enhanced by the fact that the majority are given single bedrooms.

For forms and further particulars apply to the Physician-Superintendent at the Hospital.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4013

Apply
MISS THWAITES

London Hospital, E.1.

There is a vacancy for the post of FIRST ASSISTANT and REGISTRAR to the Neuro-Surgical Department.

Candidates must be fully qualified medically.

Applications should be made to the House Governor, and should arrive not later than Saturday, May 1st.

ARTHUR G. ELLIOTT, House Governor.

Beit Memorial Fellowships for Medical RESEARCH.

Notice is hereby given that an ELECTION of JUNIOR FELLOWS will take place in July, 1937. The Fellows then elected will be required to begin work on October 1st. Junior Fellowships are normally of the annual value of £400, and the usual tenure is for three years; but candidates younger than those usually elected or whose promise for medical research must be mainly judged on work outside that field may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases, and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Applications from candidates should be received by May 14th, though late entries will be accepted up to June 1st.

Forms of application and all information may be obtained by letter only addressed to:—Professor T. R. ELLIOT, M.D., F.R.S., Hon. Secretary, Beit Memorial Fellowships for Medical Research, University College Hospital Medical School, University-street, London, W.C.1.

The Belgrave Hospital for Children

(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the posts of two HOUSE PHYSICIANS and one HOUSE SURGEON, which will become vacant on April 30th.

Applicants (Men) must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case. Applications, with copies of testimonials, stating age, to be forwarded on or before Wednesday, April 7th.

By order.
THOS. CLAPHAM, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

The Committee are prepared to receive applications for the post of SECOND ASSISTANT PATHOLOGIST.

Salary £250 per annum. The appointment is for twelve months and subject to rules, a copy of which may be obtained from the Secretary.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Friday, 9th April, 1937. CLEMENT COBBOLD, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1937.

Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 16th, 1937. Salary of each at the rate of £150 per annum, with board and residence. Candidates who have held a responsible Resident Hospital appointment are preferred. The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

Saint Mary's Hospital for Women

AND CHILDREN, PLAISTOW, E.13.

Applications are invited for the posts of RESIDENT HOUSE SURGEON and RESIDENT HOUSE PHYSICIAN (vacant May 1st), Male or Female. The appointments are for six months and will expire on 31st October. Board and residence are provided. Salaries at the rate of £155 and £150 per annum respectively, including £5 allowance for laundry. Personal canvassing not desired.

Applications, with copies of three recent testimonials, to be sent to the undersigned not later than 8th April.

A. ERNEST WILKES, Secretary.

Evelina Hospital for Sick Children,

Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with full board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned, from whom particulars can be obtained, as soon as possible.

W. H. SIDNELL, House Governor.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the post of MEDICAL REGISTRAR, vacant 19th May, for one year (open to re-election). Attendance three half-days per week. Honorarium £50 per annum.

Forms of application and rules can be obtained from the undersigned, to whom applications, with copies of testimonials, should be sent by 16th April.

GILBERT G. PANTER, Secretary, Royal
Northern Hospital, Holloway-road, N.7.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1937.

The London and Counties Medical PROTECTION SOCIETY, LTD.

The Council of the Society propose to recommend the appointment of a full-time SECRETARY.

Applicants must be registered Medical Practitioners of not less than ten years' standing, age thirty-five to fifty, and should have had experience of general practice.

Commencing salary not less than £1250 per annum.

The appointment is an annual one, and is confirmed each year at the Annual General Meeting of the Society.

Applications for appointment should contain full details of applicants' qualifications and experience, including any of secretarial work, and names of three references should be given.

Further details of the appointment can be obtained from the Secretary.

Applications should be sent to the Secretary of the Society by the 16th April, 1937.

No canvassing.

C. M. FEGEN, Secretary.

Victory House, Leicester-square, London, W.C.2.

Seamen's Hospital Society.

KING GEORGE'S SANATORIUM FOR SAILORS, LIPHOOK, HANTS, for the Treatment of Pulmonary and Non-Pulmonary Tuberculosis.

ASSISTANT MEDICAL OFFICER required as from 1st May for six months. Salary at the rate of £200 per annum in the first instance. There is no accommodation for a married man.

Applications, with copies of three recent testimonials, to be sent in on or before 6th April to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

Greenwich, 13th March, 1937.

British Postgraduate Medical School.

Applications are invited for the post of HOUSE SURGEON (Obstetrics) on the Staff of the British Postgraduate Medical School at Hammersmith Hospital (L.C.C.), Ducane-road, W.12. The appointment will be for six months, to commence on 1st May, 1937.

Salary will be at the rate of £105 per annum, with board, lodging, and laundry.

Further information can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12, to whom applications, accompanied by testimonials, should be sent to arrive not later than first post on Monday, 12th April, 1937.

University of London.

THOMAS SMYTHE HUGHES MEDICAL RESEARCH FUND.

Application for grants from the Thomas Smythe Hughes Fund for assisting medical research, accompanied by the names and addresses of two references, must be made (on a prescribed form) to the Academic Registrar, University of London, W.C.1 (from whom further particulars may be obtained), not later than 15th May, 1937.

March, 1937.

Western Ophthalmic Hospital,

Marylebone-road, N.W.1.

Applications are invited for the post of JUNIOR RESIDENT HOUSE SURGEON. The salary is at the rate of £100 per annum. Some previous Ophthalmic experience is required.

The selected candidate will be required to take up duty on May 1st.

Applications, accompanied by copies of three recent testimonials, should reach me by April 17th.

H. W. BURLEIGH, Honorary Secretary.

King's College Hospital,

Denmark Hill, S.E.5.

The Committee of Management invite applications for the posts of SENIOR and JUNIOR ASSISTANT RADIOLOGISTS (part-time).

Terms of appointment, including salary, can be obtained from the undersigned.

Applications, stating qualifications and giving three references, must be made by April 10th.

C. E. A. BEDWELL, House Governor.

The London Lock Hospital.

Applications are invited for the post of RESIDENT MEDICAL OFFICER to the Male Departments. (Out-patients, Dean-street; In-patients, Harrow-road.) Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 8th May. Salary at the rate of £175 per annum, with furnished rooms at the Harrow-road Hospital, full board, and laundry.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the undersigned by Thursday, 29th April, and from whom a copy of the bye-laws relating to the appointment, or any further particulars, can be obtained.

J. F. MORTON, Secretary.

283, Harrow-road, W.9, March, 1937.

Metropolitan Hospital,
Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following resident appointments :—
(a) SENIOR HOUSE PHYSICIAN.
(b) SENIOR HOUSE SURGEON
(c) JUNIOR HOUSE PHYSICIAN.
(d) JUNIOR HOUSE SURGEON.
(e) CASUALTY OFFICER AND RESIDENT ANÆSTHETIST.
(Males. Salary £100 per annum.)

Appointments in the first place will be for a period of six months dating from May 1st.

Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Forms of application may be obtained from undersigned.

Two members of the present staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

Hampstead General and North-West
LONDON HOSPITAL, Haverstock Hill, N.W.3.

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from unmarried Medical Men for an appointment of House Surgeon, vacant on May 1st next. The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.

Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than noon on April 17th next.

London Hospital, Whitechapel, E.1.

There is a vacancy for the post of FIRST ASSISTANT to the Gynæcological and Obstetric Department.

Candidates must be Fellows of the Royal College of Surgeons (England).

Applications should arrive not later than by first post on Monday, May 3rd.

The salary of the appointment is £250 per annum, with board and residence.

Further particulars may be obtained from the House Governor.

ARTHUR G. ELLIOTT, House Governor.

The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A half-time OUT-PATIENT MEDICAL REGISTRAR (Male) will be required. Salary £175 per annum.

Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.

The appointment is tenable in the first instance for one year, but is renewable for two further years.

Applications must be received by noon on Monday, the 26th April, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th May, 1937.

Further particulars and forms of application are obtainable from the undersigned. HERBERT F. RUTHERFORD, Secretary.

April, 1937.

Guy's Hospital.

Applications are invited for the post of CLINICAL ASSISTANT, Part-time, in the Radiology Department (two vacancies). Duties to commence on April 26th, 1937. Salary to be at the rate of £150 per annum.

Applications should be lodged with the Dean, Guy's Hospital Medical School, London Bridge, S.E.1, on or before April 19th.

Royal College of Physicians of London.

PROPHIT TUBERCULOSIS SURVEY SCHEME.

The Royal College of Physicians proposes to appoint an additional Prophit Scholar to coöperate with the present Scholar in the conduct of a Survey into the incidence and progress of Tuberculosis in selected sections of the community, by clinical examination and tuberculin testing, over a period of years. Radiological examinations will also be carried out, but not necessarily by the Scholar. Medical qualification and clinical experience are required, but special experience in Tuberculosis is not essential.

The Scholarship will be renewable from year to year. The initial value is £400 per annum with an allowance for expenses.

Applications, which must be received before April 26th, 1937, should be addressed to the Assistant Registrar, Royal College of Physicians, Pall Mall East, London, S.W.1.

The London Jewish Hospital,
Stepney Green, E.1.

The Council of Management invite applications for ASSISTANT ANÆSTHETIST. Honorarium at the rate of one and a half guineas per attendance. The holder will be required to act as deputy for the Anæsthetists in emergency.

Applications, accompanied by copies of three recent testimonials, should reach the Secretary before Friday, 16th April, 1937.

Royal Waterloo Hospital for Children
AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1937, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

Royal Waterloo Hospital for Children
AND WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY OFFICER.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty Officer vacant on the 1st May, 1937, to work in the Out-patient Department at £150 per annum. Candidates for this post should have held a previous appointment. The appointment is in the first instance for a period of six months.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 20th, to the Secretary at the Hospital, from whom further particulars can be obtained.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I.).—Salary £350—£25—£425, with board, lodging, and washing.

*(a) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly Medical. Experience of Anæsthetics and Pædiatrics desirable.

*(b) ST. ANDREW'S HOSPITAL, Devons-road, Bow, E.3.—General duties and those of a Casualty Officer. Surgical experience desirable.

*(c) ST. CLEMENT'S HOSPITAL, 2a, Bow-road, E.3.—(A special allowance of £50 a year (subject to review) is attached to this position.) Officer appointed will act as Deputy to Medical Superintendent. Duties mainly Medical, Mental experience desirable.

*(d) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.—(2 positions.) Duties of one position mainly Medical and of other Surgical, Obstetrical, and Gynæcological.

ASSISTANT MEDICAL OFFICERS (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(a) LEWISHAM HOSPITAL, Lewisham, S.E.13.—(3 positions.) Duties of one position mainly Surgical; other two positions duties mainly Medical, including Anæsthetics, and of one Obstetrical.

*(b) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly Medical, including Anæsthetics.

*(c) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.—Duties mainly Medical, experience in Anæsthetics desirable.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 19th April.

Canvassing disqualifies.

Connaught Hospital,
Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

Applications are invited for the post of MEDICAL REGISTRAR at a salary of £150 per annum, with board, lodging, and laundry.

The appointment will be for six months in the first instance, but the successful candidate will be eligible for an extension of this period at a salary of £175 per annum.

Candidates should have had previous practical experience in Medicine and be reading for higher examinations.

Applicants should state their age, nationality, qualifications, and experience, and forward copies of not more than three recent testimonials.

Applications should be received on or before Friday, 9th April.

KENELM S. ELLISON, Gen. Sec.

Connaught Hospital,
Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required at once.

Salary £100 per annum, with residence, board, and laundry. Appointment for about six months. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before first post Wednesday, 7th April.

KENELM S. ELLISON, General Secretary.

Royal College of Surgeons of England.

ELECTION OF PROFESSORS AND LECTURERS.

The Council invites applications for election to the office of HUNTERIAN PROFESSOR, ARRIS and GALE LECTURER, ARNOTT DEMONSTRATOR, and ERASMUS WILSON DEMONSTRATOR for the ensuing year.

The twelve Hunterian lectures are delivered by Fellows or Members of the College.

The three Arris and Gale Lectures are on subjects relating to Human Anatomy and Physiology, the six Arnott Demonstrations on the contents of the Museum, and the six Erasmus Wilson Demonstrations on the Pathological contents of the Museum.

Applications in writing must be made to the Secretary on or before Monday, May 3rd. Candidates for the Hunterian Professorships and Arris and Gale Lectureships are requested to submit with their applications twenty copies of a synopsis of approximately 500 words describing the subject matter of their proposed lecture. KENNEDY CASSELS, Secretary.

Lincoln's Inn Fields, London, W.C.2, 3rd April, 1937.

THE BRITISH PHOSPHATE COMMISSIONERS

BUSH HOUSE, ALDWYCH, LONDON, W.C.2

Applications are invited from unmarried Gentlemen for the post of ASSISTANT MEDICAL OFFICER at OCEAN ISLAND, GILBERT AND ELLICE ISLAND COLONY, CENTRAL PACIFIC. Candidates should be under thirty years of age and possess a British Degree or Diploma in Medicine and Surgery. It is very desirable that applicants have held general Hospital appointments since qualification.

The climate of Ocean Island is very healthy. There is a fully equipped Hospital and Operating Theatre.

Salary is at the rate of £500 per annum Australian currency, with free board and lodging. The appointment is for a period of four years and is renewable. First class ocean passages will be provided to and from the Islands.

On completion of two years' service at the Island two months' leave on full pay is allowed in Australia or New Zealand. If after four years' service the employee is re-engaged for a further four years he is allowed three months' holiday on full pay in England.

Applications, with copies of three recent testimonials, should be submitted not later than Wednesday, 7th April, 1937, to the London Manager, British Phosphate Commissioners, from whom full particulars of the appointment may be obtained.

The University of Sheffield.

DEPARTMENT OF BACTERIOLOGY.

The Council are about to appoint an ASSISTANT BACTERIOLOGIST AND DEMONSTRATOR. Salary £500 per annum.

Applications must be received by the undersigned (from whom further particulars may be obtained) not later than April 17th. W. M. GIBBONS, Registrar.

Nottingham and Midland Eye INFIRMARY.

RESIDENT HOUSE SURGEON (Male) required. 56 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

3rd April, 1937.

Oldham Royal Infirmary.

HOUSE SURGEON to Special Departments and HOUSE PHYSICIAN required for a period of six months. Salary at the rate of £175 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials must be forwarded to the undersigned not later than the 8th April, 1937.

H. J. CLOUT, General Superintendent.

Oldham Royal Infirmary.

HOUSE SURGEON required for a period of six months.

Salary at the rate of £175 per annum, with board, residence and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the undersigned not later than the 8th April, 1937. H. J. CLOUT, General Superintendent.

Burton-on-Trent General Infirmary.

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry. There are three residents.

Applications, giving age and qualifications, together with copies of testimonials, to be sent to E. W. THORNLEY, Secretary.

Lincoln County Hospital.

Wanted at the beginning of May, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum, rising to £200 per annum at the conclusion of six months' approved service. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

County Hospital, Lincoln, 1st April, 1937.

Macclesfield General Infirmary.

(General Hospital. 100 Beds.)

Applications are invited for the appointment of a SECOND HOUSE SURGEON for a period of six months, to commence 1st May, 1937. Salary £150 per annum, with board and residence.

Applications, with copies of three testimonials, should be sent to the undersigned. J. N. A. BRISCOE, Secretary.

City of Leicester.

RESIDENT MEDICAL OFFICER.

The Health Committee of the City of Leicester invite applications for the position of a Resident Medical Officer (Male) at their CITY GENERAL HOSPITAL for a period of six months, renewable, if satisfactory, for a further six months.

The hospital is a modern building with 550 Beds and four Resident Medical Officers.

The work, apart from the Orthopædic Department, is chiefly medical, but there is, however, some general surgical work.

Salary £300 per annum, together with full residential emoluments.

Further particulars of the appointment may be obtained from the undersigned, and applications (on form to be supplied), accompanied by copies of three recent testimonials, must be received not later than 14th April, endorsed "R.M.O.," addressed to the undersigned.

E. K. MACDONALD, Medical Officer of Health.

Health Department, Grey Friars, Leicester.

31st March, 1937.

East Fortune Sanatorium, East LOTHIAN.

(211 Beds. PULMONARY AND NON-PULMONARY.)

SENIOR RESIDENT MEDICAL OFFICER, who must have held resident hospital appointments, required to assume duty at an early date. Salary £350 per annum, with usual emoluments.

Applications, stating age, giving full particulars, and accompanied by four copies of three recent testimonials, should reach the undersigned on or before 14th April. The appointment in the first instance is for one year.

G. J. MCGREGOR, Secretary.

County Rooms, George IV Bridge, Edinburgh, 1.

City of Birmingham.

COLESHILL HALL.

ASSISTANT MALE MEDICAL OFFICER.

Coleshill Hall, a colony for mental defectives of all ages and both sexes, consists of two divisions, five miles apart, situated at Coleshill and Marston Green respectively, each about ten miles from Birmingham.

Applications are invited for the whole-time appointment of a Resident Male Assistant Medical Officer at the Marston Green Division (500 Beds, including children's wards and colony hospital with T.B. and V.D. clinics). The candidate appointed may be required to serve at either institution. He will be required to pass satisfactorily a medical examination and to be subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. If not already subject to that Act the candidate will be required to serve a probationary period of twelve months. The appointment will be subject to one month's notice on either side.

The commencing salary for a single man will be £350 per annum, rising to a maximum of £650 per annum subject to satisfactory service, plus residential emoluments of board, lodging, and laundry, valued for superannuation purposes at £150 per annum. If married, the commencing salary will be £400 per annum, rising to a maximum of £700 per annum plus emoluments consisting of unfurnished residence, fuel, light, and laundry, valued for superannuation purposes at £100 per annum. An additional £50 per annum will be granted if holding, or on obtaining, a recognised qualification in psychological medicine. All fees, allowances, and remunerations received, other than the foregoing, must be repaid to the City Council.

Application forms may be obtained from the Medical Superintendent, Coleshill Hall, Coleshill, near Birmingham, and must be returned to him not later than Thursday, the 15th April, 1937. F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

Ancoats Hospital, Manchester.

Applications are invited for the post of full-time RADIOLOGICAL OFFICER (non-resident), to commence duty on 1st May next. Salary £300 per annum, with luncheon and tea. The appointment is for twelve months and is renewable. Candidates must hold the D.M.R.E. diploma.

Applications, stating age and particulars of qualifications and experience, to be forwarded to the undersigned on or before 17th April, together with copies of three recent testimonials. By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Newark General Hospital.

(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

The Royal Eastern Counties' INSTITUTION FOR THE MENTALLY DEFECTIVE, COLCHESTER.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above post from unmarried Male Medical Practitioners not over thirty-six years of age. Total Beds over 1700.

The medical man appointed will be stationed at the new Extension, Turner Village, and will be required gradually to assume responsibility for administrative work connected with that extension which has at present over 400 Beds. For that reason the commencing salary has been fixed at £400 per annum, together with furnished apartments, board, laundry, and attendance. No deductions. Special consideration will be given to applicants with Resident Hospital or General Practice experience. Previous specialisation in Mental Deficiency is not essential.

Apply before 7th April, giving age, nationality, full details of qualifications, and copies of testimonials, to the Medical Superintendent, Royal Institution, Colchester.

Somerset County Council.

COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners registered in the Medical Register as holders of Diplomas in Sanitary Science, Public Health, or State Medicine, for the appointment of County Medical Officer of Health and School Medical Officer.

The person appointed will be required to perform all the duties prescribed by statute or regulation and such other duties as may from time to time be assigned to him by the County Council. He will be required to devote his whole time to the duties of his appointment.

The salary will be £1500 a year, together with travelling allowance in accordance with the scale prescribed by the County Council.

The provisions of the Local Government and Other Officers' Superannuation Act, 1922, will apply to the post, and the successful candidate will be required to pass satisfactorily a medical examination.

The appointment will be determinable by three months' notice on either side.

Applications, stating age, qualifications, and experience, must be accompanied by copies of not more than three recent testimonials, and must reach me not later than the 20th April, 1937, in envelopes endorsed "Appointment of County Medical Officer of Health."

Further particulars of the conditions of the appointment may be obtained from me on receipt of a stamped and addressed foolscap envelope.

Canvassing, directly or indirectly, will be deemed a disqualification. HAROLD KING, Clerk of the County Council.

County Hall, Taunton, 19th March, 1937.

The Liverpool Sanatorium, DELAMERE FOREST, FRODSHAM, VIA WARRINGTON.

(175 Beds for the treatment of patients suffering from Pulmonary Tuberculosis.)

SENIOR ASSISTANT TO THE MEDICAL SUPERINTENDENT.

Applications are invited from Male Medical Practitioners with suitable qualifications for the above named appointment. Candidates must be unmarried and preference will be given to applicants who have held resident medical appointments since qualification, and have had practical institutional experience in the treatment of Pulmonary Tuberculosis.

Salary will be at the rate of £350 per annum, with board, quarters, and laundry.

The appointment is normally tenable for twelve months but may be extended.

Particulars of duties and full information, together with forms of application, can be obtained from the Medical Superintendent.

Forms completed with copies of three recent testimonials should be returned as early as possible to the Medical Superintendent, the Liverpool Sanatorium, Delamere Forest, Frodsham, via Warrington.

Dorset County Hospital, Dorchester.

APPOINTMENT OF HOUSE SURGEON.

The Committee of Management are open to receive applications for the position of House Surgeon (Male only) to take up his duties on or about May 1st, 1937.

Every candidate must be unmarried and possess a registered qualification to practise medicine and surgery from some recognised body in Great Britain or Ireland. Salary £150 per annum, with board and lodging. The appointment is for a period of six months.

All applications, accompanied by copies of three recent testimonials, should be sent to the Secretary, Dorset County Hospital, on or before Saturday, 10th April, 1937.

Candidates must be of British birth and nationality.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of SECOND HOUSE PHYSICIAN (Male), vacant April 1st. Salary at the rate of £150 per annum, plus residence, board, and laundry.

The post is recognised by the University of London for the M.D. Branch 1 (Medicine) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

22nd March, 1937. R. J. CARLESS, House Governor.

Scarborough New Hospital, Yorkshire.

(140 Beds.)

Wanted, two Female HOUSE SURGEONS. Salary at the rate of £130 per annum, together with board, residence, laundry, &c.

Appointment for six months from May 1st, 1937.

Applications, together with copies of not more than three testimonials, to be sent to the Hon. Secretaries not later than first post April 7th, 1937.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

The Public Health Committee invite applications from MEDICAL OFFICERS (Women) to take clinical charge of a municipal maternity home (30 Beds; training school for midwives). At least one year's previous obstetrical experience in a maternity hospital is essential. Preference will be given to applicants having children's hospital experience and holding the D.P.H.

The successful applicant will be required to reside in close proximity to the maternity home. If not already holding the Master of Midwifery Diploma (S.A.) she will be required to obtain this within a year. The salary will be £600, rising by £25 to £800 per annum. The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by her.

The successful candidate will be required to pass an approved medical examination, and to contribute to the superannuation scheme established under the Local Government and Other Officers' Superannuation Act, 1922.

The appointment will be terminable by three months' notice on either side.

Applications, endorsed "Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 5th, 1937.

Bedford County Hospital.

Wanted, a FIRST and SECOND HOUSE SURGEON to take over the duties on April 16th for a term of not less than six months, at a salary of £155 and £150 per annum respectively.

He must be fully qualified, Male, unmarried, previous Hospital experience essential, board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

Royal Salop Infirmary, Shrewsbury.

(150 Beds.)

Applications are invited from fully qualified unmarried gentlemen for the appointment of RESIDENT HOUSE SURGEON.

The appointment is for six months in the first instance, subject to re-appointment for a further period of six months if desired.

Salary at the rate of £160 per annum, with board, residence, &c.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, to be sent to the undersigned immediately.

J. W. NOBLE, Secretary-Superintendent.

Board Room, 22nd March, 1937.

Harrogate.

CLINICAL PATHOLOGIST required. Salary £450 per annum, rising to £750 per annum.

Applications, stating age and qualifications, with testimonials, to be received on or before April 19th.

THE SECRETARY,
THE CLINICAL LABORATORY, HARROGATE.

Royal United Hospital, Bath.

HOUSE PHYSICIAN required for April 15th. Resident Staff of two House Physicians and three House Surgeons.

Duties include some Casualty. Salary £150 per annum, board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned by April 8th.

J. LAWRENCE MEARS, Secretary-Superintendent.

23rd March, 1937.

Cheltenham General and Eye Hospitals.

HOUSE SURGEON WANTED (MALE).

The Board of Management invite applications for the post of House Surgeon to the Eye, Ear, Nose, and Throat Department.

Candidates must be of British nationality and fully qualified.

Salary £150 per annum, with board, lodging, and laundry.

The Hospitals are recognised for the F.R.C.S., D.L.O., and D.O.M.S. Examinations.

Applications, with copies of testimonials, to be sent in a sealed envelope, marked "House Surgeon," to the undersigned not later than the 10th April, 1937.

J. CUMMING SMITH, F.C.I.S., Secretary.

The General Hospital, Cheltenham, 23rd March, 1937.

Worthing Hospital.—There is a

vacancy for the appointment of an OPHTHALMIC SURGEON, for which applications are invited, accompanied by copies of not more than three testimonials, to be received not later than April 10th.

Further particulars, with a copy of the Standing Orders for Ophthalmic Surgeons, may be obtained from the undersigned.

A. V. OAKTON, Secretary-Superintendent.

24th March, 1937.

The Cassel Hospital for Functional

NERVOUS DISORDERS, SWAYLANDS, PENSHURST, KENT.

LOCUM TENENS (Male) required for the above Hospital. One for six months and one for three months. Previous experience in the treatment of the neuroses essential. Salary eight guineas a week, with board, residence, and laundry.

Applications to be sent at once to the Medical Director enclosing testimonials.

Royal Southern Hospital, Liverpool, 8.

WANTED, IMMEDIATELY,
HOUSE SURGEON TO THE ORTHOPÆDIC DEPARTMENT.

The salary for the above appointment is £60 per annum, with board and residence.

The appointment will be for six months.

Applications and copies of testimonials to be sent to the undersigned as early as possible.

FRANK SOLMAN, Superintendent and Secretary.

Leeds Public Dispensary and Hospital.

Applications are invited for the posts of—

1. CASUALTY OFFICER AND HOUSE SURGEON (Male).
2. HOUSE PHYSICIAN (Male).

Appointment for six months. Salary at the rate of £150 per annum, with board, residence, and laundry. Applications, with copies of three recent testimonials, to be sent on or before Monday, 12th April, addressed to the undersigned, Public Dispensary and Hospital, North street, Leeds, 2.

CHARLES F. J. MAURY, Secretary and Superintendent.

Birmingham and Midland Eye

HOSPITAL.

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising at the end of six months' satisfactory service to £150) per annum.

Applications, with testimonials and evidence of registration, must be received not later than Monday, April 5th next.

J. W. PEARCE, General Superintendent.

Church-street, Birmingham, 3.

The Guest Hospital, Dudley.

(General Hospital—107 Beds—shortly to be increased to 160 Beds.)

The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

SECOND HOUSE SURGEON (Male) required to commence duty on 2nd May, 1937. Salary at the rate of £120 per annum, with furnished apartments, board, and laundry. Duties are of a general nature, more especially Surgical and Ophthalmic work and administration of Anæsthetics.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned. H. RAYMOND HURST, House Governor and Secretary.

24th March, 1937.

The Jessop Hospital for Women,

SHEFFIELD.

The Board of Management invite applications for the post of HOUSE SURGEON (Male), unmarried, for a period of six months, commencing at once.

Salary £100 per annum, together with board, residence, and laundry.

Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

Portsmouth and Southern Counties

EYE AND EAR HOSPITAL, PORTSMOUTH.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the above post now vacant. Salary £150 per annum, plus board and lodging.

Applications, giving particulars of age, experience, and nationality, to be addressed to the Secretary not later than 19th April.

County Council of Durham.

EDUCATION DEPARTMENT.

ASSISTANT SCHOOL MEDICAL OFFICER.

The County Education Committee invite applications for the post of Assistant School Medical Officer (Man), to act under the School Medical Officer in connexion with the inspection of school-children, and such other duties as may be required by the Education Committee. Commencing salary £500 per annum (provided the candidate has had not less than three years' post-graduate experience), rising by annual increments of £25 to £700 per annum, together with travelling expenses according to the County scale. The successful candidate will be required to devote his whole time to the duties of the office and reside in or near the district to which he will be attached at a place to be approved by the Education Committee. The appointment will be subject to three calendar months' notice on either side, expiring on the last day of any calendar month. Applicants must have had experience in the work of school medical inspection, and preference will be given to candidates who :—

(a) Have had experience in the work of School Clinics.
(b) Have been accustomed to make special reports on Mentally Defective, Physically Defective, Epileptic, and other Defective Children.

The possession of a Diploma in Public Health is desirable, though not essential.

Canvassing, directly or indirectly, is prohibited and will disqualify.

A deduction of 5 per cent. will be made from the salary in accordance with the Local Government and Other Officers' Superannuation Act, 1922, which has been adopted by the Council, and the appointment will be subject to passing the County Council's medical examination in connexion therewith.

Forms of application, to be returned not later than Saturday, the 10th April, 1937, may be obtained from the Director of Education, Shire Hall, Durham, on receipt of a stamped addressed foolscap envelope. THOS. B. TILLEY, Director of Education.

Shire Hall, Durham, 20th March, 1937.

County Borough of West Bromwich.

HALLAM HOSPITAL. (472 Beds.)

HOUSE PHYSICIAN.

Applications are invited from duly qualified Male registered Practitioners for the above-mentioned post.

The appointment is for six months, with eligibility for a further six months. Either party may give six weeks' notice terminating the appointment. The Hospital is equipped with up-to-date special departments. There is a visiting staff of eight physicians and surgeons, one resident surgical officer, and three resident medical officers.

Salary £200 per annum and also board residence.

Canvassing, either directly or indirectly, is strictly prohibited and will be deemed a disqualification.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Friday, April 9th, 1937. ALFRED WICKHAM, Town Clerk.

Town Hall, West Bromwich, 23rd March, 1937.

Borough of Weymouth and Melcombe REGIS.

MEDICAL OFFICER OF HEALTH, ETC.

The Corporation invite applications for the position of Medical Officer of Health and School Medical Officer to the Borough of Weymouth and Melcombe Regis and Medical Officer to the Weymouth and Portland Joint Hospital Board Isolation Hospital, at an inclusive salary of £800 per annum, with an addition of £75 per annum for travelling expenses.

Particulars of the appointment may be obtained from the undersigned. Age not to exceed forty years.

Applications must be delivered at my office not later than the 24th April, 1937. PERCY SMALLMAN, Town Clerk.

Municipal Offices, Weymouth.

City of Norwich.

RESIDENT MEDICAL OFFICER, ISOLATION HOSPITAL, ASSISTANT MEDICAL OFFICER OF HEALTH, AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer, Isolation Hospital, Assistant Medical Officer of Health and Assistant School Medical Officer. Salary £450 per annum, rising to £550 per annum, plus emoluments valued at £150 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave.

For particulars send stamped addressed envelope to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than the 20th April, 1937.

The Royal Portsmouth Hospital, PORTSMOUTH.

FIVE RESIDENT MEDICAL OFFICERS.

Applications are invited for the post of HOUSE SURGEON (Male), qualified. Salary at the rate of £130 per annum, with board, &c. To commence duties about middle of April. Six months' appointment. Eligible on completion of term for extension or other resident posts.

Applications, stating age, nationality, and full details, with copies of three testimonials, to be sent to the undersigned, from whom all particulars can be obtained.

B. WAGSTAFF, Secretary.

Leigh Infirmary, Lancashire.

Wanted a JUNIOR RESIDENT HOUSE SURGEON (Male), single, for Hospital of 85 Beds. Salary £150 per annum, with rooms, fire attendance, and board. Good quarters. The position is now vacant.

The appointment is for six months with eligibility for re-election. Must be good Anæsthetist. The appointment offers exceptional opportunities for Surgery.

Applications to be addressed to Mr. J. A. SMITH, Secretary, 3, Silk-street, Leigh, Lancashire.

24th March, 1937.

Royal Alexandra Hospital for Sick CHILDREN, Dyke-road, BRIGHTON. (100 Beds.)

HOUSE SURGEON (Male) required. Salary at the rate of £120 per annum, with board, lodging, and laundry. Good experience. No canvassing. To take up duties early in May.

Applications, in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, the Secretary.

24th March, 1937.

The Royal Infirmary, Sunderland. (365 Beds.)

CASUALTY OFFICER required to take up duties immediately. Salary at the rate of £150 per annum, with board, residence, laundry, &c.

The successful applicant will be required also to act as House Surgeon to the Ear, Nose, and Throat Department.

Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned not later than 16th April, 1937.

The Infirmary possesses modern equipment and has up-to-date Pathological and X Ray Departments. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months training required of candidates before admission to the Final Examination for the Fellowship.

J. A. BEARDSALL, House Governor and Secretary.

Royal Berkshire Hospital, Reading. (338 Beds.)

Applications are invited for the following resident appointments:—

One HOUSE SURGEON (Male)—immediately.

One CASUALTY OFFICER (Male)—immediately.

One HOUSE SURGEON to the Special Departments (Eye, Ear, Nose, and Throat) (Male)—vacant May 1st.

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

Royal Faculty of Physicians and SURGEONS OF GLASGOW.

The Council of the Royal Faculty of Physicians and Surgeons will meet on 7th April, 1937, to consider applications from Candidates for admission to the Fellowship Examination.

Candidates are required to make application in writing on the required form to the Secretary, to whom all certificates and testimonials should be sent not later than 5th April, 1937.

DAVID WILLOX, Secretary.

242, St. Vincent-street, Glasgow, C.2, March, 1937.

The Mount Vernon Hospital, NORTHWOOD, MIDDLESEX. (FOR THE TREATMENT OF CANCER.)

There will shortly be a vacancy for a HOUSE SURGEON (Male or Female). Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, with copies of three testimonials, to be sent to the undersigned on or before April 17th.

W. J. MORTON, Secretary,
Offices, 32, Fitzroy-square, W.1.

The Royal Hospital, Wolverhampton (Incorporated under Charter.)

HOUSE SURGEON required (General Surgery), duties to commence 16th April next. The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 30th March, 1937.

Applications are invited for the post of HONORARY ANÆSTHETIST at the ROTHERHAM HOSPITAL.

Apply to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Royal West Sussex Hospital, CHICHESTER. (114 Beds, including 12 in the Private Patients' Block. Two Residents.)

JUNIOR HOUSE SURGEON wanted. Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications should reach the undersigned as soon as possible, together with not less than three recent testimonials. State age, nationality, experience, and qualifications (also telephone number, if possible).

By order of the Board of Management.

23rd March, 1937. ALAN RUDDLE, A.H.O.A., Secretary.

The Sheffield Royal Hospital. (340 Beds.)

Applications are invited for a post on the RESIDENT MEDICAL STAFF. This is a teaching Hospital with insufficient local graduates to fill all vacancies. Salary at the rate of £80 per annum, rising to £100 per annum in six months, with board, residence, and laundry.

Applications should be sent to—

W. H. BOOTH, Superintendent and Secretary.

Barrowmore Tuberculosis Sanatorium AND SETTLEMENT, GT. BARROW, CHESTER.

HOUSE PHYSICIAN (Male) required as soon as possible. The appointment is for six months and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications, marked "House Physician," with copies of three testimonials, should be sent to the Medical Director at the above address not later than 14th April, 1937.

Liverpool Royal Infirmary. (Medical School. 336 Beds.)

Applications are invited for the post of REGISTRAR to the Orthopædic and Fracture Department.

The post is non-resident, and it is essential that candidates should be F.R.C.S. of England or Edinburgh.

Salary £200 per annum, rising to £250 after a year.

Duties to begin 1st May, 1937.

Applications, stating age, nationality, qualifications, and experience, to be sent to the undersigned as soon as possible.

WM. RUTTER, General Superintendent and Secretary.

March 27th, 1937.

Burslem Haywood and Tunstall War MEMORIAL HOSPITAL, HIGH-LANE, TUNSTALL, STOKE-ON-TRENT.

Applications are invited for the following post of RESIDENT HOUSE PHYSICIAN. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months in the first instance, re-appointment may be applied for.

Applications, stating age and experience, with copies of three recent testimonials, to be sent to the undersigned immediately.

C. E. LOWNDES, Secretary.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

Royal United Hospital, Bath.

HONORARY ASSISTANT GYNÆCOLOGIST AND OBSTETRICIAN.

Applications are invited for the above-named post, and it will be a recommendation if the applicant possesses the Fellowship of one of the Colleges of Surgeons, which is essential before ultimate promotion to the full staff, or the Membership of the College of Obstetrics and Gynæcology.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, to be addressed to the undersigned by the first post April 12th, 1937.

A list of the names and addresses of Members of the Board of Management will be forwarded after April 8th, to whom copies of the applications and testimonials may be sent.

Canvassing will be deemed a disqualification.

J. LAWRENCE MEARS, Secretary-Superintendent.

17th March, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)
(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

Victoria Hospital, Accrington.

The Governing Body of this Hospital invites applications for the post of HOUSE SURGEON.

Candidates must be duly qualified and registered. Number of beds 50. Salary £150 per annum, with board and lodging.

Conditions of appointment and particulars of duties may be obtained from the undersigned, to whom applications, with copies only of testimonials, should be sent.

Victoria Hospital, Accrington. J. KENYON, Secretary.

General Hospital, Nottingham.

(386 Beds.)

A HOUSE SURGEON is required at the above Institution for the Ear, Nose, and Throat Department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than Wednesday, April 14th. Duties to commence on Friday, May 7th.

PETER M. MACCOLL, House Governor and Secretary.

Lancashire County Council.

COUNTY BOROUGH OF BLACKBURN.
BOROUGH OF DARWEN.
BLACKBURN AND EAST LANCASHIRE ROYAL INFIRMARY.

APPOINTMENT OF CONSULTANT OBSTETRICIAN.

Applications are invited from registered Medical Practitioners with special experience in obstetrics for the appointment of CONSULTANT OBSTETRICIAN at a salary of £1000 per annum. The gentleman appointed will be allowed to engage in private and consultant practice, subject to certain conditions.

The successful candidate will be appointed to the Honorary Staff of the Blackburn and East Lancashire Royal Infirmary, and will be required to reside within the County Borough of Blackburn.

Conditions of appointment and forms of application may be obtained from the Medical Officer of Health, Victoria-street, Blackburn, to whom completed applications should be returned not later than April 21st, 1937. CHAS. S. ROBINSON,
Town Clerk, County Borough of Blackburn.

Town Hall, Blackburn.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the following posts:—

(a) HOUSE PHYSICIAN from May 1st.
(b) HOUSE SURGEON to the Special Departments with care of beds for ear, nose, and throat, eye, gynæcological, and maternity cases from May 1st.

Each appointment is tenable for a period of six months, but is terminable at an earlier date by one month's written notice on either side.

The salary of each officer will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, April 14th. W. H. HEAD, Secretary-Superintendent.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (Male). The appointment will be for three months from April 17th, 1937. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, April 7th, 1937. W. H. HEAD, Secretary-Superientendent.

Bristol Royal Infirmary.

Applications are invited for the post of CLINICAL ANÆSTHETIST to the Dental Department. Honorarium of £150 per annum.

Candidates, who must be registered Medical Practitioners, to send in their applications, together with copies of not more than three testimonials, to the undersigned.

ELLIS C. SMITH, F.C.I.S.,
Secretary and House Governor.

Wingfield-Morris Orthopædic Hospital, HEADINGTON, OXFORD.

HOUSE SURGEON (Male) required for six months from mid-April. Salary at the rate of £100 per annum, with board, lodging, and laundry.

Apply, with testimonials, before April 7th, to
Commander HENDERSON, R.N., Secretary.

Royal South Hants and Southampton HOSPITAL.

The Committee of Management invite applications for the post of HONORARY OPHTHALMIC SURGEON.

Applications, accompanied by copies of testimonials, should be sent on or before the 23rd April, 1937, to the undersigned, from whom any further particulars may be obtained.

HY. TRUSSON, House Governor and Secretary.

University of Leeds. SCHOOL OF MEDICINE.

Applications are invited for a DEMONSTRATORSHIP IN THE DEPARTMENT OF PHYSIOLOGY. Salary £300 a year.

Further particulars may be obtained from The Registrar, The University, Leeds, 2, who will receive applications for the appointment on or before the 19th April.

Royal Gwent Hospital, Newport, Mon.

(210 Beds.)

Applications are invited for the following appointments, which become vacant on April 1st next:—

HOUSE PHYSICIAN. Salary at the rate of £150 per annum, together with board, quarters, and laundry. The duties include attendance at V.D. Clinics.

HOUSE SURGEON. Salary at the rate of £135 per annum, together with board, quarters, and laundry.

HOUSE SURGEON TO ORTHOPÆDIC AND FRACTURE DEPARTMENT. (Also as relief Casualty Officer.) Salary at the rate of £135 per annum, together with board, quarters, and laundry.

All the above appointments are for six months, terminating on September 30th.

Applications should be addressed to the undersigned immediately. S. CECIL HILL, Secretary-Superintendent.

Royal Sussex County Hospital, BRIGHTON, 7.

Applications are invited for the office of HONORARY CLINICAL ASSISTANT to the Early Nervous Disorders Department, from Ladies or Gentlemen who are Fellows, Members, or Licentiates of the Royal College of Physicians of London, Edinburgh, or Dublin, or Graduates in Medicine of one of the Universities of the British Empire, and who are duly registered under the Medical Acts.

Further particulars of terms of appointment and duties may be obtained from the undersigned, and applications must reach the undersigned at the Hospital before 12 noon on the 24th April, 1937.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

North Riding Infirmary,
MIDDLESBROUGH.
(General Hospital. 143 Beds. Three Residents.)

CASUALTY OFFICER required for a period of six months. (Third H.S. and H.P. is an applicant.)

The appointment will be for not less than six months and renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates, who must be Male, unmarried, and of British nationality, are asked to state whether they are prepared to apply for the combined post of THIRD HOUSE SURGEON AND HOUSE PHYSICIAN (£140 per annum) in the event of the present Resident being appointed.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

Royal Infirmary, Blackburn.
(244 Beds. Five Residents.)

RESIDENT HOUSE SURGEON (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c. To commence duties as soon as possible.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible. T. DEWHURST, Gen. Supt. and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical practice required for the F.R.C.S. examination.

Hospital Convalescent Homes,
PARKWOOD, SWANLEY, KENT.

(For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Friday, 23rd April, 1937.

St. Albans and Mid-Herts Hospital,
Church-crescent, ST. ALBANS.

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The post will become vacant on or about the 31st March.

Applications to be sent to the Secretary, St. Albans and Mid-Herts Hospital, No. 38, St. Peter's-street, St. Albans.

23rd March, 1937.

Royal Surrey County Hospital,
GUILDFORD.
(216 Beds.)

Wanted, ASSISTANT PATHOLOGIST. Salary £500 per annum.

Applications, stating age and essential particulars, together with copies of not more than three testimonials, to reach Secretary-Superintendent by 17th April.

Royal Cornwall Infirmary, Truro.
(84 Beds.)

HOUSE SURGEON (Male) required with experience of Anæsthetics, to commence duties on the 1st May next. Salary £170 per annum, rooms, board, and washing.

Apply, with copies of three recent testimonials, to the Secretary, of whom further particulars may be obtained.

W. E. GRENFELL, Hon. Secretary.

Truro, 16th March, 1937.

Borough of Ilford.

RESIDENT MEDICAL OFFICER AT MATERNITY HOME.

Applications are invited for the above whole-time appointment from registered Women Medical Practitioners at a commencing salary of £350 per annum, rising by annual increments of £25 to £450 per annum, with board, lodging, and laundry.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to formal agreement, and the successful applicant will be required to pass a medical examination to the satisfaction of the Medical Officer of Health.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the undersigned, must be submitted to the undersigned not later than Wednesday, the 14th April, 1937. CHARLES N. ROBERTS, Town Clerk.

Town Hall, Ilford.

County Boroughs of East Ham and
SOUTHEND-ON-SEA.

RUNWELL HOSPITAL.
NEAR WICKFORD, ESSEX.
(1032 Beds.)

ASSISTANT RESIDENT PHYSICIAN.

Applications are invited for the post of Assistant Physician to the above new Hospital for mental and nervous disorders.

Salary £350, rising by annual increments of £25 to £450 per annum plus furnished quarters, board, attendance, and laundry, valued for superannuation purposes at £150. An additional £50 will be given to any candidate who holds or obtains the D.P.M. Should the successful candidate be married permission may be given him to live out, and he would then be allowed the value of his emoluments in cash.

The Hospital is built on modern lines and on the villa system, and offers unusually good opportunities for research and post-graduate work.

Forms of application, together with further particulars, are obtainable from the Physician Superintendent, Runwell Hospital, near Wickford, Essex, to whom they should be returned with copies of three recent testimonials, not later than Monday, April the 12th. Envelope to be marked "Physician."

H. J. WORWOOD, Clerk to the Committee.

Royal National Sanatorium,
BOURNEMOUTH.

Applications are invited from Male Medical Practitioners for the following appointments:—

MEDICAL SUPERINTENDENT.

Applicants must have had practical experience in the treatment of Pulmonary Tuberculosis and done responsible sanatorium work.

The successful applicant will be required to reside in close proximity to the Sanatorium, and must devote his whole time to the duties of his office, and will not be allowed to engage in private practice. He will be required to pass a medical examination.

The salary is £800 per annum, rising by annual increments of £25 to £950 per annum.

The appointment will be terminable by three months' notice on either side.

Applications, stating age, with not more than three recent testimonials (copies) of qualifications and experience, should reach the Secretary not later than April 22nd.

The Sanatorium has 95 Beds for the treatment of pulmonary tuberculosis, and is fully equipped for all methods of treatment.

RESIDENT ASSISTANT MEDICAL OFFICER.

Salary £200 per annum, with board, residence, and laundry.

Experience in pulmonary tuberculosis desirable.

The appointment will be for one year (renewable). Duties to commence on May 1st.

Applications, with full particulars and copies of recent testimonials, should be addressed to the Secretary.

A. G. A. MAJOR, Secretary.

General Infirmary, Salisbury.
(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

RESIDENT MEDICAL OFFICER (Male) required to commence duty 1st June, 1937.

The appointment is for one year, including a three months' probationary period, with the option of extension.

Candidates must have held at least one appointment at a recognised Hospital as House Physician and/or House Surgeon and Anæsthetist, either separately or in conjunction with the former.

He must reside in the Infirmary and devote his whole time to the service of the Infirmary.

Salary £250 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, and to be received by 30th April, 1937.

The Prince of Wales's Hospital,
DEVONPORT, PLYMOUTH.
(Formerly Royal Albert Hospital, Devonport.)
(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence 1st May, 1937. Appointment is tenable for six months and is subject to renewal or promotion to the Senior position when this post becomes vacant.

Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by 16th April, 1937. FRANK ROWE, Secretary.

30th March, 1937.

The Royal Liverpool Children's
HOSPITAL.

There is a vacancy now for One RESIDENT HOUSE SURGEON at the City Branch, Myrtle-street. The appointment will be for a period terminating 30th September, 1937. Salary at the rate of £100 per annum.

Applications, with copies of recent testimonials, should be sent to the Secretary, Royal Liverpool Children's Hospital, Myrtle-street, Liverpool, 7, by an early post.

The Buchanan Hospital,
ST. LEONARDS-ON-SEA.
(103 Beds.)

JUNIOR HOUSE SURGEON (Female) required to commence duties as soon as possible. Salary at the rate of £125 per annum.

Candidates must be duly registered Medical Practitioners, and applications, which must be received by April 12th, should include three copies of recent testimonials.

FRANK HART, Secretary.

The Royal Army Medical Corps ASSOCIATION, 55, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

Typewriting. — Specialists in typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Pathological and Bacteriological LABORATORY ASSISTANTS' ASSOCIATION.—Pathologists and Bacteriologists requiring Skilled Certified LABORATORY ASSISTANTS are invited to communicate with S. J. DENYER, 30 Waverley-grove, Hendon, London, N.W.4. ('Phone: Hendon 1968.) No fees.

Lady, well educated, seeks post as RECEPTIONIST and SECRETARY to Doctor, or Doctors. Straightforward dispensing could be undertaken. Well recommended by a Medical Association.—Address, No. 206, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Gentleman recovering from 'Flu would like experienced Medical Man to accompany him and Wife for Mediterranean Holiday, month or longer, commencing middle April. All expenses paid.

Write immediately No. 202, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

A Doctor with a small Country Practice desiring a Holiday during the months of May to July can obtain the services of an experienced man as LOCUM whose only expenses will be hospitality and the expenditure on his car.—Address, No. 207, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Locum Tenens.—Provincial Medical SERVICES, LTD., 44, Silver-street, Lincoln, are prepared to receive applications from Practitioners (Male and Female) desiring to undertake Locum Work during forthcoming summer months in Eastern Counties and Midlands.

It is desired to learn of some retired PATHOLOGIST resident in the North of England who would be prepared to do Locum work in a large laboratory in the North of England when occasion arose.—Address, No. 205, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

M.D., elderly, desires shortly, small Practice (non-industrial) or Nucleus.—Address, No. 200, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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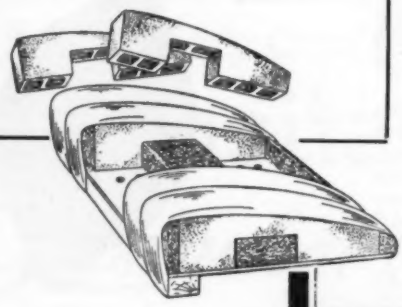

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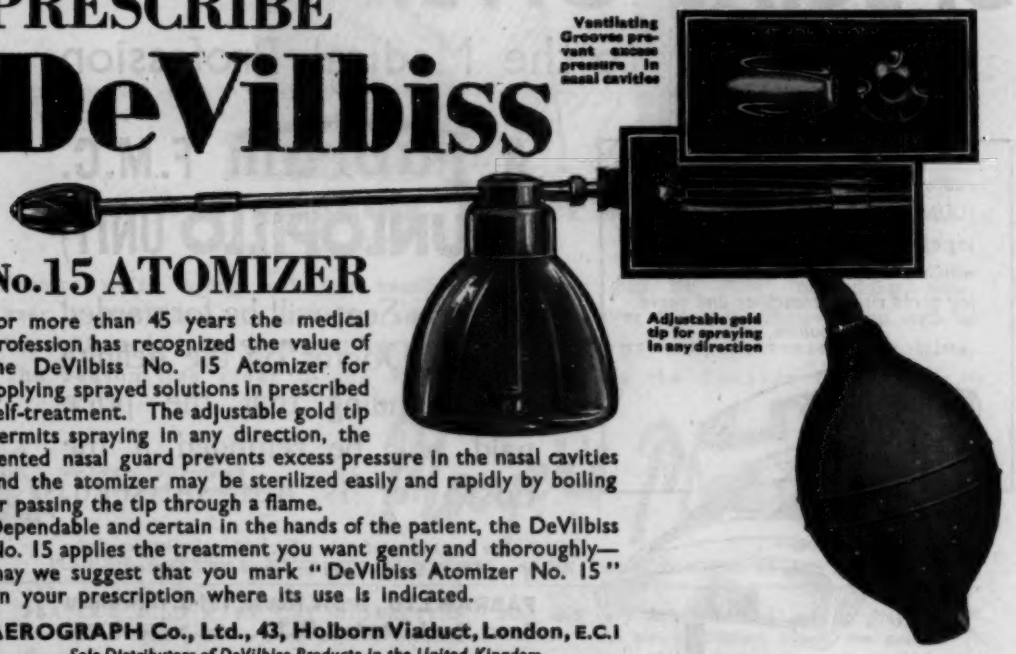

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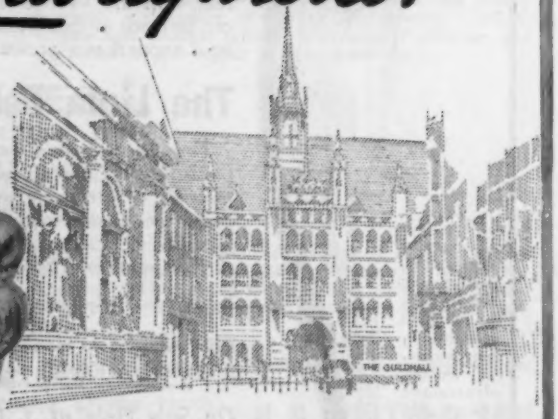

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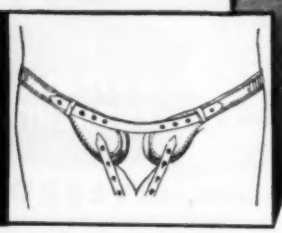

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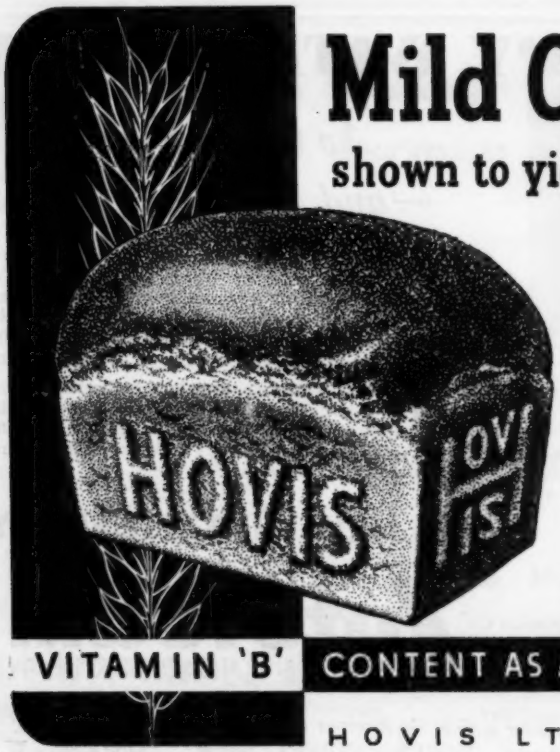

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MILK INTOLERANCE

Benger's Food is devised to be used in conjunction with fresh cow's milk. For many years it has been used by Physicians everywhere as a routine diet in gastric cases and in cases of milk intolerance. In its composition Benger's differs from all other foods, e.g., in addition to its base of specially treated wheaten flour it contains the two natural digestive principles — Amylopsin and Trypsin — in a latent state. These exert their digestive powers during preparation. The Amylopsin acts on the carbo-hydrates and gradually changes them into soluble sugars, while the Trypsin acts on the gluten of the flour, and on the proteins of the milk. The prepared Benger's Food forms a fine soft flocculent curd in the stomach, in marked contrast to the large indigestible curd formed by milk. *The extent of the self-digestive action of Benger's Food can be varied to suit the patient's condition, and it is important to note that complete pre-digestion can never take place.*

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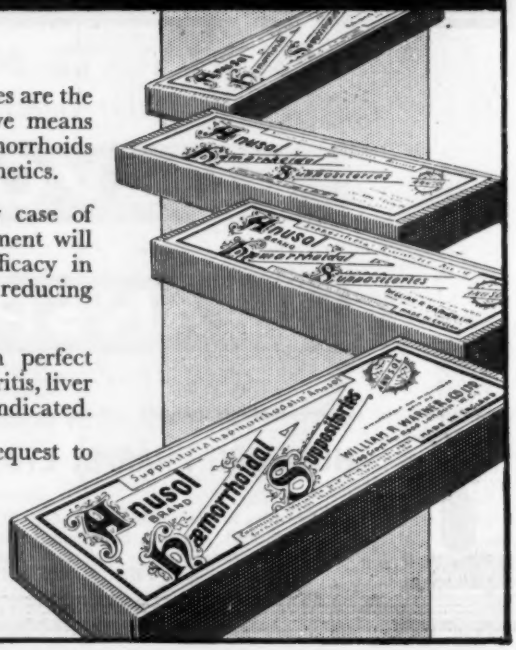

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SPRAY ARGYROL IN COMMON COLD

BRAND SILVER VITELLIN

At this time of year, with frequent exposure to cold and wet, the common cold takes on a more serious aspect. Tonsillitis, pharyngitis and sinusitis are frequent sequelae when "dread Winter spreads his latest glooms."

The prevention of complications is the first aim of the physician. Early treatment with Argyrol Brand Silver Vitellin not only attacks the infection right at its source, but also quickly relieves the acute distress in the respiratory tract.

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for the first months of life. Modified in fat & protein content. 16 *oz. Sealed Tins.*

	Dry Powder	Liquid (1 in 8)
Fat	20.0	2.5
Protein	17.0	2.1
Lactose	56.0	7.0
Ash	3.9	0.5
Citrates, etc.	1.1	0.1
Moisture or water	2.0	87.8
	100.0	100.0
Calorific value per oz.	137	17.1

OSTERMILK No. 2

for infants from 3-4 months & onwards. The full cream food. 16 *oz. Sealed Tins.*

	Dry Powder	Liquid (1 in 8)
Fat	26.5	3.3
Protein	24.9	3.1
Lactose	38.5	4.8
Ash	5.6	0.7
Citrates, etc.	1.6	0.2
Moisture or Water	2.9	87.9
	100.0	100.0
Calorific value per oz.	144	18.0

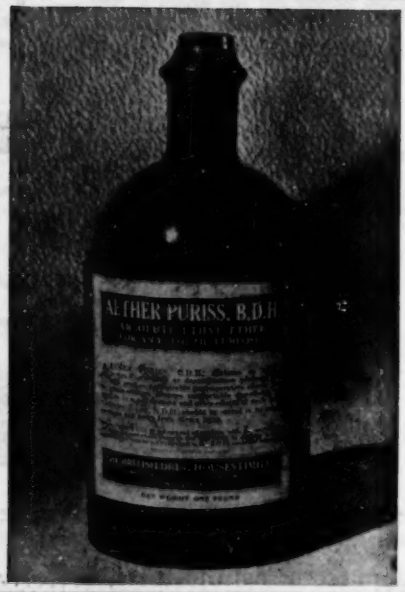
As a prophylactic measure both Ostermilks are enriched with

No. 1 VITAMIN D: 200 international units per pint reconstituted.
IRON: 5 parts per million reconstituted.

No. 2 VITAMIN D: 165 international units per pint reconstituted.
IRON: 5 parts per million reconstituted.

(Cow's milk contains 1.7 parts per million of iron, and, even in summer, rarely exceeds 50 international units of Vitamin D per pint.)

GL.197



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— — — *M.B.*

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AP/S/35

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Colloidal Hydroxide of Aluminium

Rational Antacid Therapy

APART from those cases due to actual organic disease, the treatment of the syndrome of symptoms known as indigestion, generally resolves itself into an attempt to overcome hypersecretion of acid and to soothe the irritated or inflamed gastric mucosa.

That "Alocol" possesses intrinsic qualities which render it particularly valuable as a gastric sedative and antacid is now well established. Its freedom from the constipating effect of bismuth, the laxative action of magnesium salts and the gas-forming properties of sodium bicarbonate are especially noteworthy.

"Alocol" forms with the gastric contents a colloidal jelly which has the power of adsorbing free hydrochloric acid. Its markedly soothing effect on the gastric mucosa promptly relieves pain and discomfort. It does not interfere with the normal process of digestion and is free from the danger of "alkalosis."

Complete chemical history of "Alocol," with convincing clinical reports and supply for trial, sent free to physicians on request.

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Saraswati playing the Vina.
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M256

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"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter. "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

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Calcium (as CaO)	0.12%
Phosphorus (as P_2O_5)	0.98%
Iron	42 parts per million
Vitamin A	227 units per ounce
Vitamin B	1/10th potency of † dried yeast
Vitamin D	14 units per ounce

† *This is recognised as one of the richest known sources*

Cadbury's **BOURN-VITA**

THE PROTECTIVE FOOD

¼ LB. 9D — ½ LB. 1/5 — 1 LB. 2/9

WEIGHT GUARANTEED

GLANOID

LIVER CONCENTRATE

CAPSULES

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BY A SPECIAL ARMOUR PROCESS THIS EXTREMELY HIGH CONCENTRATION IS NOW AVAILABLE AND PROVIDES THE HÆMOPOIETIC ACTIVITY OF LIVER IN A FORM SPECIALLY SUITABLE FOR EFFECTIVE ORAL ADMINISTRATION.

SUPPLIED IN BOTTLES OF
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Cystopurin

The ideal urinary antiseptic for oral administration!

From information received :—

"My experiences of Cystopurin have been very happy. In infections of the urinary tract generally, the results are excellent. At present I have an old male patient with a chronically infected bladder. He has had trouble for years, at times passing thick mucus and blood. He would not be without Cystopurin as, since using it, his urine has kept fairly clear and his dysuria is markedly better."

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"I found great advantage in your Cystopurin Tablets in cases of chronic nephritis diathesis among our men, of whom a considerable number suffer from various types of bladder and kidney weaknesses after the age of 40. I attribute it a lot to the nature of their calling and exposure to chills and wettings."

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Benzylaminobenzenesulphonamide

(M & B 125)

The introduction of the BENZYL group into the molecule of the simple sulphonamide gives a product which is practically tasteless, well tolerated and of high anti-streptococcal activity.

Tablets of 0.5 gramme.

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Disodium - p (γ-phenyl-propyl-amino) benzene-sulphonamide - α - γ - disulphonate

The first colourless anti-streptococcal drug to be prepared which is suitable for parenteral administration.

Ampoules of 5 c.c. and 10 c.c.

SOLUSEPTASINE is for use either alone or in conjunction with PROSEPTASINE (the first colourless oral anti-streptococcal drug to be presented to the medical profession in this or any other country). It is intended for the treatment of severe streptococcal infections, where the immediate presence of the streptococcidal drug in the blood is necessary.

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Arsenical Preparations in the TREATMENT OF SYPHILIS

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Novostab possesses high therapeutic activity combined with low toxicity. It may be administered either in aqueous solution or dissolved in Thiostab (sterile sodium thiosulphate solution).

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A new therapy for Biliary and Hepatic Diseases

TRADE **CURCUNAT** MARK

increases bile secretion

Vide *Lancet*, March 13th, 1937, page 619.
"Turmeric (CURCUNAT) in Biliary Diseases."

TURMERIC, or Temoe lavac, is an oriental plant that for many centuries has been used by the native population of India in the treatment of jaundice.

The powdered roots and leaves form one of the chief ingredients of "curry." The botanical name of the plant is Curcuma; there are a number of species, among which Curcuma domestica and Curcuma longa have medicinal value.

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Curcumin-sodium 0·1 gramme
Calcium cholate 0·1 gramme
in each dragee

Boxes of 30 Dragees.

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"Cristolax" is so pleasant to the taste that it can be prescribed with entire confidence for the most fastidious patient. Its digestive and nutritive value render it of special service in constipation associated with defective assimilation, dyspepsia and general debility.

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MALT EXTRACT WITH PARAFFIN

Lubricant-Laxative-Nutrient-Digestive

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ACUTE SWELLINGS

the ideal *is simultaneously to*

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with its long-retained heat, hygroscopic and therapeutic qualities, meets all these requirements most effectively.

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FOR EFFECTIVE HYPNOTIC MEDICATION

WHILST Hebaral Sodium, the sodium salt of hexyl-ethyl-barbituric acid, possesses those properties which give to the derivatives of malonyl urea more practical importance than any other group of synthetic hypnotics, it is distinguished from most other compounds of the same type by its relatively low toxicity and the rapidity with which it is eliminated.

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It is supplied in gelatin capsules each containing three grains.

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Full particulars concerning Hebaral Sodium and its clinical application will be furnished on request.

Hebaral Sodium is available in bottles of 10, 25, or 100 capsules

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Measles Control with

IMMUNE GLOBULIN (HUMAN)

Lederle

BECAUSE of the frequency of complications, the mortality rate of measles is high—higher than that for whooping cough, diphtheria and scarlet fever.

Complications can be avoided by the use of IMMUNE GLOBULIN (HUMAN) *Lederle*, particularly those of broncho-pneumonia—responsible for about 50% of deaths in the infant age group (6 months to 3 years).

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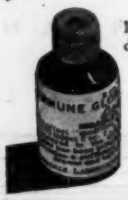

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'Cystazol' is a combination of Hexamine with Sodium Benzoate: its action depends on the liberation of formaldehyde from the decomposition of the hexamine that takes place in the urine which has been rendered acid by the sodium benzoate moiety.

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[*See also pp.* 22 & 37]

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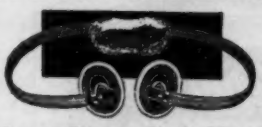

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Opener: Mrs. HELENA WRIGHT, M.B., B.S., M.R.C.S., L.R.C.P., London.
Chairman: Douglas Miller, M.D., Ch.B., F.R.C.S., M.C.O.G.

8 to 10 P.M. "RECENT ADVANCES IN THE SCIENTIFIC STUDY OF CHEMICAL CONTRACEPTION."
Opener: J. R. BAKER, M.A., D.Phil.
Lecturer in Cytology, University of Oxford.
Chairman: Professor F. A. E. Crew, Ph.D., M.D., F.R.S., &c.
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A COMMEMORATION DINNER to Celebrate the Fiftieth Year of the Foundation of UNIVERSITY HALL, EDINBURGH, will be held in the NORTH BRITISH STATION HOTEL, Edinburgh, on SATURDAY, 29th MAY, at 7.30 P.M.

Past and present residents of University Hall are invited to attend. Tickets price 10s., inclusive of wines, may be obtained from Messrs. Whitson & Methuen, C.A., 21, Rutland-street, Edinburgh, to whom all communications should be addressed.

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1937.	10.30 A.M. to 1 P.M.	Conducted by—	2 P.M. to 4.30 P.M.	Conducted by—
Monday, April 26th.	Principles of the Examination of Patients.	Prof. F. R. FRASER, M.A., M.D., F.R.C.P.	Sciatica and Lumbago.	Sir WILLIAM WILLCOX, K.C.I.E., C.B., C.M.G., M.D., F.R.C.P.
Tuesday, April 27th.	Pneumonia.	Dr. R. A. YOUNG, C.B.E., M.D., F.R.C.P.	Injuries and Septic Infections of the Hand.	Mr. M. F. NICHOLLS, M.A., F.R.C.S.
Wednesday, April 28th.	Indigestion.	Dr. A. E. CLARK-KENNEDY, M.A., M.D., F.R.C.P.	Sterility.	Mr. ALECK BOURNE, M.A., F.R.C.S., F.C.O.G
Thursday, April 29th.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.
Friday, April 30th.	Obstetrical Emergencies.	Mr. J. BRIGHT BANISTER, M.A., M.D., F.R.C.P., F.R.C.S., F.C.O.G.	Obesity.	Dr. H. GARDINER-HILL, M.B.E., M.D., F.R.C.P.
Saturday, May 1st.	Eye Conditions in General Practice.	The Staff of the Royal London Ophthalmic Hospital, City-road, E.C.1.	—	—
Monday, May 3rd.	Common Diseases of Nose, Throat, and Ear.	The Staff of the Central London Throat, Nose and Ear Hospital, Gray's Inn-road, W.C.1.	Diagnosis of Nervous Diseases.	The Staff of the National Hospital, Queen-square, W.C.1.
Tuesday, May 4th.	Asthma.	Dr. G. W. BRAY, M.B., Ch.M., M.R.C.P.	Antenatal Examination.	Prof. JAMES YOUNG, D.S.O., M.D., F.R.C.S., F.C.O.G.
Wednesday, May 5th.	The Treatment of Common Fractures.	Mr. J. P. HOSFORD, M.S., F.R.C.S.	Common Types of Anæmia. Their Diagnosis and Treatment.	Dr. JANET M. VAUGHAN, D.M., M.R.C.P.
Thursday, May 6th.	The Acute Abdomen.	Mr. R. J. MCNEILL LOVE, M.S., F.R.C.S.	Non-operative Treatment of Common Gynæcological Conditions.	Miss ALICE BLOOMFIELD, M.D., F.R.C.S., F.C.O.G.
Friday, May 7th.	Demonstration of Local Anæsthesia.	The Staff of the School.	Diet and Disease.	Dr. GEORGE GRAHAM, M.A., M.D., F.R.C.P.
Saturday, May 8th.	Psychiatry in General Practice.	Prof. E. MAPOTHER, M.D., F.R.C.P., F.R.C.S., at Maudsley Hospital.	—	—

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(b) Two Lectures by Professor J. C. DRUMMOND, D.Sc., F.I.C. (Professor of Biochemistry in the University of London), on Thursdays, 29th April, and 6th May, 4 P.M.

(c) Two Lectures by Professor LEONARD G. PARSONS, M.D., F.R.C.P. (Professor of Infant Hygiene and Diseases of Children in the University of Birmingham), on Tuesday and Thursday, 11th and 13th May, 4 P.M.

Details of Lectures:—

(1) THURSDAY, 22ND APRIL.—Professor Haworth: "The Chemistry of the Carbohydrates; Ascorbic Acid and other water soluble Vitamins."

(2) THURSDAY, 29TH APRIL.—Professor Drummond: "The Chemistry and Physiological Significance of Vitamin A."

(3) THURSDAY, 6TH MAY.—Professor Drummond: "The D Vitamins and other Members of the Fat-soluble Group."

(4) TUESDAY, 11TH MAY.—Professor Parsons: "General Nutrition: Nutrition and Nutritional Diseases of the Erythron; The Inter-relation of Iron and Calcium in Nutrition."

(5) THURSDAY, 13TH MAY.—Professor Parsons: "The Role of Vitamin C in Disease; Multiple Deficiency States; the Effect of Certain Alimentary Disorders on the Absorption of Carbohydrates."

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Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

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SUPPLY STATE REGISTERED NURSES FOR ALL TYPES OF ILLNESS, INCLUDING MENTAL AND NERVE CASES, AT A MOMENT'S NOTICE—DAY OR NIGHT

All Nurses fully insured against Accident. Terms from £3 13 6. Apply MATRON.

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TRAINED MALE NURSES AND VALET ATTENDANTS for MENTAL, MEDICAL, TRAVELLING AND ALL CASES

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Terms £4 4 0 per week

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Please address all communications W. WALSHE, Secretary.

NURSES MALE & FEMALE ASSOCIATION, LIMITED.

All Members of our Staff are Total Abstainers

18, NOTTINGHAM PLACE, LONDON, W.1. *Telegrams:* "Gentlest, London." *Telephone:* Welbeck 5969

CERTIFICATED HOSPITAL NURSES (Male and Female) AVAILABLE DAY AND NIGHT FOR MEDICAL, SURGICAL, MENTAL AND ALL CASES

TERMS from £3 3s. ALL NURSES ARE FULLY INSURED AGAINST ACCIDENT. Apply, LADY SUPERINTENDENT.

THE NEW MENTAL NURSES CO-OPERATION

66 Queens Gardens, Lancaster Gate, W.2.
(late of 139 Edgware Road, W.2.)

Specially trained Nurses for Mental and Nerve cases. (All Nurses are insured under the Employers Liability Act, 1906.) Apply the Supt.

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Telephone: Welbeck 2728.
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Our nurses are chosen carefully for their personal character and their suitability for private work. They reside on the premises, and are available for urgent cases Day or Night.

Mrs. MILLICENT HICKS, *Superintendent.*
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THE NURSES' ASSOCIATION

In conjunction with the MALE NURSES' ASSN.

29, YORK ST., BAKER ST., LONDON, W.1.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

HILL END HOSPITAL

FOR MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary, or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS.

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An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Squash racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 12. *Apply,* J. C. BAKER, M.B.

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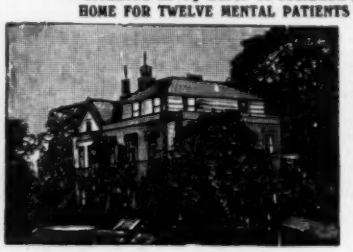
CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).



Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES

ST. ANDREW'S HOSPITAL
FOR MENTAL DISORDERS,
NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

HAYDOCK LODGE,
NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

HOLLOWAY SANATORIUM, Virginia Water

A Registered Hospital for the Treatment of

Mental Disorders of the EDUCATED CLASSES

(Founded and Endowed by Thomas Holloway in 1885)

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses, as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

For Terms, apply to the Resident Medical Superintendent—

HENRY DEVINE, M.D., F.R.C.P., St. Ann's Heath, Virginia Water, Surrey

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a " team " of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row.

MAISON DE SANTE DE MALEVOZ

Monthey, Valais (Switzerland)

TREATMENT OF ALL NERVOUS AND MENTAL DISORDERS

Several villas in a beautiful park overlooking the Rhone valley, with view of the Alpes vaudoises and the Dents-du-Midi. A special house is reserved for the nervous cases who are admitted without any legal formality. In the other houses voluntary and certified patients are received. Psychotherapy, psychoanalysis, individual treatment of all cases. Occupational-therapy. Sports: tennis, golf, swimming-pool, ski. The relatives of the patients may reside in the institution.

Terms from Swiss francs 15.– a day. **4 Resident Physicians.**

Apply to the—

Medical Superintendent:—Dr. A. REPOND. 'Phone: Monthey 6328. Telegr.: Malevoz-Monthey.

CALDECOTE HALL

NUNEATON
WARWICKSHIRE
('Phone: Nuneaton 241)

Residential treatment of
Functional Nervous Disorders
including Alcoholism and other Addictions
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

A Favourite Resort of the Medical Profession

THORPENESS

is a privately owned Estate on the Suffolk Coast in a dry, sunny, and bracing climate. No trippers or charabancs. Perfect rest, quiet, and recreation. First-class Golf Course, 64 acre Lake for Sailing and Boating, Tennis, Riding, Bridge, etc. The Dolphin Hotel and Two Guest Houses provide comfort and good food. There are also furnished houses to let. Thorpeness is especially attractive in the Spring. *For booklet apply to Estate Office, Thorpeness, Suffolk.*

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Prospectus C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

CHISWICK HOUSE, PINNER, MIDDLESEX.

Telephone: Pinner 234.

A PRIVATE HOSPITAL FOR THE TREATMENT AND CARE OF MENTAL AND NERVOUS ILLNESSES IN BOTH SEXES.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings.

Fees from 10 guineas per week inclusive.

Cases under certificate, Voluntary and "Temporary" Patients received for treatment. DOUGLAS MACAULAY, M.D., D.P.M.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.
For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD, *phone:* TULSE HILL 7181 *Resident Physician Superintendent.*

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel · Clissold 1648

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. Railway and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 280 acres. Voluntary Boarders of both Sexes are also received for treatment.
Special accommodation for Lady Voluntary Boarders is also provided at the MANOR HOUSE, which has its own private grounds and is entirely separate from the main Hospital.
For particulars as to terms, &c., apply to ARTHUR TOWNSEND, M.D., Medical Superintendent.
Telephone: No. 6207 Barnwood

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of TWO GUINEAS, and upwards.

ASHWOOD HOUSE

KINGSWINFORD, STAFFORDSHIRE

An old-established home-like Institution for the treatment of MENTAL AFFECTIONS in BOTH SEXES. Probationary cases and non-certified patients are received as well as those regularly certified.
Full particulars as to reception terms, &c., may be obtained from the Resident Medical Officer.

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

Chairman: Brig.-Gen. G. Kyffin-Taylor, C.B.E., V.D., D.L.

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

For further particulars apply:
C. EDGAR GRISEWOOD, Sec., 29, Exchange St. East, Liverpool

COURT HALL

KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY, OR CERTIFIED PATIENTS

Large Gardens and Own Dairy

CLIFFDEN, TEIGNMOUTH, for Early and Convalescent Cases. A well-appointed house, with spacious balconies and extensive views of the South Devon Coast. Sub-tropical gardens. Own Dairy in 25 acres. Private road to beach.
Resident Physicians—BERTHA M. MULES, M.D., B.S.
ANNIE S. MULES, M.R.C.S., L.R.C.P.
Telephones—Starcross 59 and Teignmouth 289.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary Patients are also received for treatment. For further particulars apply to the Medical Superintendent.

LITTLETON HALL, BRENTWOOD, ESSEX

(18 MILES FROM LONDON.)
400 feet above sea.
HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool st. 26min. Stations Brentwood, Shenfield, one mile. Boarders received.
Apply Dr. Haynes
Telephone ● and Telegrams: Haynes Brentwood 45.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Boarders. Bracing hill country. See "Medical Directory," p. 2328.—Apply to Medical Superintendent. 'Phone 10 P.O., Church Stretton.

SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

For Mental Cases with or without Certificates.

Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.
INTERVIEWS IN LONDON BY APPOINTMENT.

MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind

Terms moderate: Apply to Resident Medical Superintendent.
Telegrams: ADAM WEST MALLING. Telephone: No. 2 MALLING.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.
Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

Metropolitan Hospital,
Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following resident appointments :—
(a) SENIOR HOUSE PHYSICIAN.
(b) SENIOR HOUSE SURGEON
(c) JUNIOR HOUSE PHYSICIAN.
(d) JUNIOR HOUSE SURGEON.
(e) CASUALTY OFFICER AND RESIDENT ANÆSTHETIST.

(Males. Salary £100 per annum.)
Appointments in the first place will be for a period of six months dating from May 1st.
Candidates must possess a registered medical and surgical qualification of the United Kingdom.
Forms of application may be obtained from undersigned.
Two members of the present staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

Hampstead General and North-West
LONDON HOSPITAL, Haverstock Hill, N.W.3.

APPOINTMENT OF A HOUSE SURGEON.

Applications are invited from unmarried Medical Men for an appointment of House Surgeon, vacant on May 1st next. The salary will be at the rate of £100 per annum, together with board, residence, &c., and the term will be for six months.
Applications, to be made on a form which will be supplied by the Secretary, together with copies of not more than three testimonials, should reach the Secretary not later than noon on April 17th next.

The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A half-time OUT-PATIENT MEDICAL REGISTRAR (Male) will be required. Salary £175 per annum.
Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.
The appointment is tenable in the first instance for one year, but is renewable for two further years.
Applications must be received by noon on Monday, the 26th April, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th May, 1937.
Further particulars and forms of application are obtainable from the undersigned. HERBERT F. RUTHERFORD, Secretary.
April, 1937.

Royal Waterloo Hospital for Children
AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1937, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.
Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 20th, to the Secretary at the above address, from whom further particulars can be obtained.

Royal Waterloo Hospital for Children
AND WOMEN, Waterloo-road, S.E.1.

RESIDENT CASUALTY OFFICER.

Applications are invited from qualified Male Practitioners for the post of Resident Casualty Officer vacant on the 1st May, 1937, to work in the Out-patient Department at £150 per annum. Candidates for this post should have held a previous appointment. The appointment is in the first instance for a period of six months.
Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 20th, to the Secretary at the Hospital, from whom further particulars can be obtained.

Western Ophthalmic Hospital,
Marylebone-road, N.W.1.

Applications are invited for the post of JUNIOR RESIDENT HOUSE SURGEON. The salary is at the rate of £100 per annum. Some previous Ophthalmic experience is required.
The selected candidate will be required to take up duty on May 1st.
Applications, accompanied by copies of three recent testimonials, should reach me by April 17th.

H. W. BURLEIGH, Honorary Secretary.

The National Temperance Hospital
Hampstead-road, N.W.1.

Applications are invited for the following post: HOUSE PHYSICIAN (Male). Salary £100 per annum. Board, residence, and laundry allowance being provided.
The appointment is for a period of six months, as from May 1st. Preference will be given to those who have held resident posts. Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Monday, April 19th, addressed to the Secretary.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1937.

Royal College of Physicians of London.

PROPHIT TUBERCULOSIS SURVEY SCHEME.

The Royal College of Physicians proposes to appoint an additional Prophit Scholar to coöperate with the present Scholar in the conduct of a Survey into the incidence and progress of Tuberculosis in selected sections of the community, by clinical examination and tuberculin testing, over a period of years. Radiological examinations will also be carried out, but not necessarily by the Scholar. Medical qualification and clinical experience are required, but special experience in Tuberculosis is not essential.

The Scholarship will be renewable from year to year. The initial value is £400 per annum with an allowance for expenses.

Applications, which must be received before April 26th, 1937, should be addressed to the Assistant Registrar, Royal College of Physicians, Pall Mall East, London, S.W.1.

The London Jewish Hospital,

Stepney Green, E.1.

The Council of Management invite applications for ASSISTANT ANÆSTHETIST. Honorarium at the rate of one and a half guineas per attendance. The holder will be required to act as deputy for the Anæsthetists in emergency.

Applications, accompanied by copies of three recent testimonials, should reach the Secretary before Friday, 16th April, 1937.

Hospital for Diseases of the Skin,

Blackfriars.

The Committee of Management invites applications for the post of PATHOLOGIST on the Staff. The Hospital possesses a fully equipped laboratory for investigation and research, and an honorarium will attach to the position.

Candidates are requested to address their applications before 15th April, 1937, to— L. MUNDY,

Secretary to the Hospital for Diseases of the Skin.

71, Blackfriars-road, S.E.1.

Hospital for Diseases of the Skin,

Blackfriars.

The Committee of Management invites applications from fully qualified Men and Women for posts as CLINICAL ASSISTANTS. The appointments will normally be made for a period of six months but this term may be extended.

Applications, with testimonials in support, should be addressed before April 15th, 1937, to— L. MUNDY,

Secretary to the Hospital for Diseases of the Skin.

71, Blackfriars-road, S.E.1.

Royal Chest Hospital,

City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the post of MEDICAL REGISTRAR, vacant 19th May, for one year (open to re-election). Attendance three half-days per week. Honorarium £50 per annum.

Forms of application and rules can be obtained from the undersigned, to whom applications, with copies of testimonials, should be sent by 16th April.

GILBERT G. PANTER, Secretary, Royal Northern Hospital, Holloway-road, N.7.

County Council of Middlesex.

ASSISTANT PATHOLOGIST.

Applications are invited for the pensionable appointment of Assistant Pathologist to REDHILL COUNTY HOSPITAL, EDGWARE. Candidates must be registered Medical Practitioners, with special knowledge and experience of pathology, who are engaged wholly or chiefly in the practice of this branch of medicine.

The officer appointed must devote his whole time to the duties of his office. He will not be allowed to engage in private practice, and any fees received by him must be paid over to the Council.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £650 per annum, rising by annual increments of £25 to £800 per annum.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 24th April. Application forms are not provided. Envelopes must be endorsed "Assistant Pathologist, Redhill County Hospital, B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council

Middlesex Guildhall, Westminster, S.W.1,
1st April, 1937.

The Queen's Hospital for Children,

Hackney-road, London, E.2.

HOUSE SURGEON required May 1st.

Six months' appointment. Salary at the rate of £100 per year, with board, lodging, and laundry.

Applications must be made on forms to be obtained from the undersigned, and must be sent in, with copies of not more than four testimonials, on or before April 20th.

1st April, 1937. CHARLES H. BESSELL, Secretary.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Grade I.).—Salary £350—£25—£425, with board, lodging, and washing.

*(a) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly Medical. Experience of Anæsthetics and Pædiatrics desirable.

*(b) ST. ANDREW'S HOSPITAL, Devons-road, Bow, E.3.—General duties and those of a Casualty Officer. Surgical experience desirable.

*(c) ST. CLEMENT'S HOSPITAL, 2a, Bow-road, E.3.—(A special allowance of £50 a year (subject to review) is attached to this position.) Officer appointed will act as Deputy to Medical Superintendent. Duties mainly Medical, Mental experience desirable.

*(d) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.—(2 positions.) Duties of one position mainly Medical and of other Surgical, Obstetrical, and Gynæcological.

ASSISTANT MEDICAL OFFICERS (Grade II.).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(a) LEWISHAM HOSPITAL, Lewisham, S.E.13.—(3 positions.) Duties of one position mainly Surgical; other two positions duties mainly Medical, including Anæsthetics, and of one Obstetrical.

*(b) PADDINGTON HOSPITAL, Harrow-road, W.9.—Duties mainly Medical, including Anæsthetics.

*(c) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.—Duties mainly Medical, experience in Anæsthetics desirable.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 19th April.

Canvassing disqualifies.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.

(81 Beds.)

The Board of Management invite applications for the post of HONORARY RADIOLOGIST. The holding of a diploma in Medical Radiology and experience in superficial X Ray Therapy are essential. Two attendances a week will be required. A proportion of certain fees is payable to the Radiologist.

Applications, accompanied by copies of three testimonials, should be sent to the undersigned, from whom any further information can be obtained, not later than Saturday, 1st May.

H. J. ELEY, Secretary.

Royal Free Hospital,

Gray's Inn-road, London, W.C.1.

Applications are invited for the appointment of ASSISTANT PHYSICIAN to the Department of Physical Medicine.

Intending candidates, who must either be members of the Royal College of Physicians or undertake to take the membership within one year of appointment, should submit applications stating age and accompanied by copies of three recent testimonials to the undersigned on or before the 30th June, 1937. RICHARD T. BARTLEY, Secretary.

National Dental Hospital (Dental

DEPARTMENT OF UNIVERSITY COLLEGE HOSPITAL.)

Applications are invited for the appointment of HONORARY ASSISTANT ANÆSTHETIST for duty on one morning per week.

The possession of a Diploma in Anæsthetics will be considered an advantage.

The successful candidate will be appointed for one year in the first instance and thereafter will be eligible for re-appointment annually, and ultimately for promotion to the rank of Full Anæsthetist.

Applications, supported by not more than three testimonials, should be forwarded to the Secretary, University College Hospital, Gower-street, W.C.1, by noon on Monday, the 19th April, 1937.

London County Council.

Applications invited from registered Medical Practitioners for appointment as ASSISTANT PATHOLOGIST at THE WHITECHAPEL CLINIC FOR THE TREATMENT OF VENEREAL DISEASES, Turner-street, Whitechapel, E.1. Salary £500 a year (fixed). Minimum hours of duty, thirty-six a week. Appointment subject to annual review and is non-pensionable. Private practice not precluded.

Application forms containing full particulars obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2B, County Hall, S.E.1, returnable by 28th April.

Canvassing disqualifies.

The Examining Board in England

BY THE
ROYAL COLLEGE OF PHYSICIANS OF LONDON
AND THE
ROYAL COLLEGE OF SURGEONS OF ENGLAND.

Notice is hereby given that the Examinations for the following Diplomas will commence on the dates stated below :—

DIPLOMA IN ANÆSTHETICS.
Friday, May 21st.
DIPLOMA IN LARYNGOLOGY AND OTOLOGY.
DIPLOMA IN PSYCHOLOGICAL MEDICINE.
Friday, June 4th.
DIPLOMA IN PUBLIC HEALTH.
Friday, June 18th.

Candidates who have complied with the necessary requirements, and who desire to present themselves for examination, must apply in writing to the Secretary, Examination Hall, 8–11, Queen-square, London, W.C.1, at least twenty-one days before the date of the Examination.

Applications for Part II. are due at the same time as for Part I. HORACE H. REW, Secretary.

University of Glasgow.

FACULTY OF MEDICINE.

NOTICE IS HEREBY GIVEN, that the number of STUDENTS to be admitted to the FIRST YEAR COURSES in MEDICINE in October, 1937, will be LIMITED. Forms of application for permission to commence the Study of Medicine then may now be obtained from the undersigned. These forms must be returned by applicants not later than 1st July, 1937.

ROBT. BROUGH, Registrar.

March, 1937.

Westminster Hospital,

Broad Sanctuary, S.W.1.

Applications are invited for the office of ASSISTANT MEDICAL OFFICER to the X-Ray and Electrical Department. Duties will be confined to physiotherapy.

Candidates must be registered Medical Practitioners, and must have specialised in this subject.

Thirty-five copies of applications and each of three testimonials should be submitted not later than Monday, 26th April, to the undersigned, from whom particulars of the duties may be obtained.

By Order of the House Committee.
CHARLES M. POWER, Secretary.

Royal Free Hospital and London

(R.F.H.) SCHOOL OF MEDICINE FOR WOMEN.

Application is invited from registered Medical Practitioners for the post of RESIDENT ASSISTANT PATHOLOGIST in the PATHOLOGY UNIT. Salary £150 per annum. Full-time.

The appointment is for seven months from 1st July, 1937.

Applications must reach one of the undersigned, who will supply further particulars, by first post on Monday, 26th April, 1937.

RICHARD T. BARTLEY, Secretary,
Royal Free Hospital, W.C.1.
LOUIE M. BROOKS, Warden and Secretary,
London (R.F.H.) School of Medicine,
2nd April, 1937. for Women, Hunter-street, W.C.1.

Battersea Borough Council.

RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Women) for the appointment of Resident Medical Officer at the Council's MATERNITY HOSPITAL, Bolingbroke-grove, Wandsworth-common (30 Beds), for a period of six months (terminable by one month's notice on either side), at a salary at the rate of £150 per annum, together with rations and quarters. Particulars of duties will be forwarded on application. Preference will be given to candidates with post-graduate experience in midwifery. The post provides opportunity for study for further qualifications, if desired.

Applications, in envelopes endorsed "Resident Medical Officer," stating age, qualifications, particulars of training and experience, should reach the Medical Officer of Health, 204, Lavender-hill, S.W.11, not later than 12 noon, Saturday, 17th April, 1937. R. G. BERRY, Town Clerk.

7th April, 1937. Town Hall, Battersea, S.W.11.

Connaught Hospital,

Walthamstow, E.17.
(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required at once.

Salary £100 per annum, with residence, board, and laundry. Appointment for about six months. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before first post Wednesday, 14th April.

KENELM S. ELLISON, General Secretary.

MINISTRY OF HEALTH

The Minister of Health invites applications for a vacant appointment as TEMPORARY SEROLOGIST on the staff of the Ministry. Both men and women are eligible for appointment.

The salary will be at the rate of £350 per annum.

Candidates must have experience in biochemical research and must present evidence of capacity for original work. A medical qualification is desirable but is not essential; otherwise candidates should possess a University degree in science.

The officer to be appointed will be employed in the first instance in the Pathological Laboratory of the Ministry of Health in London, but must be prepared to work in any part of England (or Wales) if required to do so.

The duties will include investigation into the chemistry and physics of serological reactions generally, the routine performance of Wassermann and precipitation tests with the utmost obtainable accuracy, and research into the chemical constituents of bacteria as reflected by antigenic activity.

Candidates must conform to the Civil Service nationality rule.

The successful candidate will be required to devote his whole time to the Public Service and will be required to take up duty without undue delay.

Canvassing through Members of Parliament or in other ways will render a candidate liable to disqualification.

Forms of application may be obtained from—

The Director of Establishments,
Ministry of Health,
Whitehall, S.W.1

No application can be considered unless received on the prescribed form not later than the 24th April, 1937.

The Queen's Hospital for Children,

Hackney-road, E.2.

CLINICAL ASSISTANT required for Medical Out-Patient Clinics on Tuesday afternoon or Friday morning, or both. An honorarium of five shillings per attendance to cover travelling expenses will be paid and lunch will be provided.

Apply, stating qualifications and experience to
CHARLES H. BESSELL, Secretary.

1st April, 1937.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following appointment:—HOUSE SURGEON, vacant on May 5th. The appointment is for nine months (six months as House Surgeon and three months as Casualty Officer). Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by April 16th to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER, vacant 1st June for a period of six months (subject to re-election). Salary at the rate of £150 per annum with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 30th April to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3.
(138 Beds.)

The Committee of Management invite applications for the post of CASUALTY OFFICER for a period of three months.

Duties to commence on the 1st May, 1937. Hours 9 A.M. to 1.30 P.M. daily (including Saturday). Salary at the rate of £200 per annum with lunch.

Candidates are expected to attend a Sub-Committee for an interview, and should send their applications and copies of three testimonials, to the Secretary not later than first post on Tuesday, 20th instant.

D. ST. JOHN BAMFORD, Secretary.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of MEDICAL REGISTRAR to the above-mentioned Hospital. Candidates must possess the M.R.C.P. and must not be engaged in General Practice. An honorarium of fifty guineas is attached to the post, and the appointment is for one year only, with eligibility for re-election at the end of the year.

Applications, with copies of not more than three testimonials, should reach the Secretary-Manager not later than Monday, April 12th, from whom further particulars can be obtained.

Metropolitan Borough of Stepney.

APPOINTMENT OF DEPUTY AND ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council of the Metropolitan Borough of Stepney invite applications for the appointment of a Deputy and Assistant Medical Officer of Health. The commencing salary will be at the rate of £750 per annum, rising by six annual increments of £25 to a maximum salary at the rate of £900 per annum, such salary being inclusive.

Candidates must possess the qualifications (including the Diploma of Public Health) prescribed for a Medical Officer of Health by the Public Health (London) Act, 1936, as well as those prescribed in Articles 6 and 7 of the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930.

The person to be appointed should have had special experience in Maternity and Child Welfare work, including antenatal work, and experience in Tuberculosis work. Preference will be given to a candidate who has had actual experience in Public Health work including the diagnosis of infectious diseases. He will be required to devote the whole of his time to the duties of the office and act under the supervision of the Medical Officer of Health. The appointment will, moreover, be subject to the Stepney Borough Council (Superannuation) Acts, 1905 to 1931, and to the Council's bye-laws, including the passing of an examination by the Council's Medical Referee as to constitutional fitness, and will be made in the first instance for a probationary period of six months.

Forms of application may be obtained from the undersigned to whom they must be returned in envelopes endorsed "Appointment of Deputy and Assistant Medical Officer of Health," so as to reach him not later than 12 o'clock noon on Saturday, 24th April, 1937.

Canvassing members or officers of the Council in any manner whatsoever is strictly prohibited and will disqualify candidates. The Council do not bind themselves to appoint any of the candidates and the appointment will be subject to the obtaining of any necessary consents.

By Order,
W. L. McCARTY, Town Clerk.

Municipal Offices, Raine-street, E.1, 1st April, 1937.

Woolwich and District War Memorial HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL (112 Beds).
(Recognized by the Royal College of Surgeons of England for its surgical practice.)

The Board of Management invites application from suitably qualified Male candidates for the following appointments:—

(a) HOUSE PHYSICIAN, commencing 1st June, 1937.
(b) HOUSE SURGEON, commencing 1st May, 1937.

Each appointment will be for six months, and the rate of remuneration will be £100 per annum, plus board, residence, &c.

The closing date for the receipt of applications, which should be made on the prescribed form (obtainable from the undersigned), is Monday, 19th April, 1937, and short-listed candidates will be required to meet the Appointments Committee on Friday, 23rd April, 1937.

R. S. G. HUTCHINGS, Secretary.

THE BRITISH PHOSPHATE COMMISSIONERS

BUSH HOUSE, ALDWYCH, LONDON, W.C.2

Applications are invited from unmarried Gentlemen for the post of ASSISTANT MEDICAL OFFICER at OCEAN ISLAND, GILBERT AND ELLICE ISLAND COLONY, CENTRAL PACIFIC. Candidates should be under thirty years of age and possess a British Degree or Diploma in Medicine and Surgery. It is desirable that applicants have held general Hospital appointments since qualification.

The climate of Ocean Island is very healthy. There is a fully equipped Hospital and Operating Theatre.

Salary is at the rate of £500 per annum Australian currency, with free board and lodging. The appointment is for a period of four years and is renewable. One class ocean passages will be provided to and from the Islands.

On completion of two years' service at the Island two months' leave on full pay is allowed in Australia or New Zealand. If after four years' service the employee is re-engaged for a further four years he is allowed three months' holiday on full pay in England.

Applications, with copies of three recent testimonials, should be submitted not later than Wednesday, 14th April, 1937, to the London Manager, British Phosphate Commissioners, from whom full particulars of the appointment may be obtained.

The Royal Eye and Ear Hospital, BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

Huddersfield Royal Infirmary. (321 Beds.)

Two Male HOUSE SURGEONS required to commence duty on 1st and 5th May, 1937, respectively.

Salary £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Beckett Hospital and Dispensary, BARNSLEY. (153 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male). Fellowship degree of the Royal College of Surgeons, England, Edinburgh, or Ireland, will be deemed a recommendation.

Salary £300 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, with copies of testimonials, should be addressed to the undersigned not later than 21st inst.

ARTHUR L. BOURNE, Secretary-Superintendent.

6th April, 1937.

Chesterfield and North Derbyshire ROYAL HOSPITAL. (220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS

Applications are invited from fully qualified men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

G. SUNNUCK, Supt. and Secretary.

April 6th, 1937.

Princess Alice Hospital, Eastbourne.

(Voluntary General Hospital, 120 Beds; Two House Surgeons.)

RESIDENT HOUSE SURGEON (Male) required on 17th April, 1937. Salary at the rate of £150 per annum, with board and laundry. Applications from Registered Practitioners, accompanied by copies of three recent testimonials, should be delivered to the undersigned by first post on Tuesday, 13th April, 1937.

W. RUSSELL RUDALL, Secretary.

5th April, 1937.

Hertford County Hospital. (169 Beds.)

Applications are invited for the post of SENIOR HOUSE SURGEON (Male) (three residents). Salary £200 per annum with board, residence, and laundry. The appointment is for six months in the first instance, commencing 1st May, 1937. Applications, with three recent testimonials, should be sent to the undersigned not later than Monday, 19th April, 1937.

PERCY G. BROOKS, Secretary.

Royal College of Medicine, Baghdad.

Applications are invited for the following posts:—

(1) PROFESSOR OF PATHOLOGY. To teach Pathology, Theoretical and Practical, and Morbid Anatomy in the Royal College of Medicine, Baghdad, and to be in charge of the Government Pathological Laboratory.

(2) PROFESSOR OF BACTERIOLOGY. To teach Bacteriology, Theoretical and Practical, in the Royal College of Medicine, Baghdad, and to be in charge of the Government Vaccine, Vaccine Lymph, and Pasteur Institutes, and to prepare the vaccines required by the Iraq Health Service.

Contract in each case for five years at rate of pay of £150 per month.

Applications for these posts, preferably from young men not over thirty-five, with full particulars of academic career, special training, and research experience, and names of two referees familiar with the candidate's work, to be sent before April 30th, 1937, to Sir JOHN C. G. LEDINGHAM, Lister Institute, Chelsea-gardens, London, S.W.1.

Swansea General and Eye Hospital. (336 Beds.)

CASUALTY OFFICER required. Gentleman, single. Must have had previous hospital experience. Appointment for six months. Duties to commence immediately.

Salary £150 to £175 per annum, according to experience, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

Harrogate Royal Bath Hospital.

(Special Hospital for Rheumatic and Allied Diseases.)
(150 Beds.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male) to commence duties as soon as possible.

Salary at the rate of £156 per annum, with board, residence, and laundry.

Exceptional facilities for research or preparation of thesis.

Applications, stating qualifications, age, &c., with copies of recent testimonials, should be forwarded to the undersigned.

E. P. L. DIXON, M.A., Secretary.

Harrogate.

CLINICAL PATHOLOGIST required. Salary £450 per annum, rising to £750 per annum.

Applications, stating age and qualifications, with testimonials, to be received on or before April 19th.

THE SECRETARY,
THE CLINICAL LABORATORY, HARROGATE.

General Hospital, Nottingham.

(386 Beds.)

A HOUSE SURGEON is required at the above Institution for the Ear, Nose, and Throat Department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than Wednesday, April 14th. Duties to commence on Friday, May 7th.

PETER M. MACCOLL, House Governor and Secretary.

Lancashire County Council.

COUNTY BOROUGH OF BLACKBURN.
BOROUGH OF DARWEN.
BLACKBURN AND EAST LANCASHIRE ROYAL INFIRMARY.

APPOINTMENT OF CONSULTANT OBSTETRICIAN.

Applications are invited from registered Medical Practitioners with special experience in obstetrics for the appointment of CONSULTANT OBSTETRICIAN at a salary of £1000 per annum. The gentleman appointed will be allowed to engage in private and consultant practice, subject to certain conditions.

The successful candidate will be appointed to the Honorary Staff of the Blackburn and East Lancashire Royal Infirmary, and will be required to reside within the County Borough of Blackburn.

Conditions of appointment and forms of application may be obtained from the Medical Officer of Health, Victoria-street, Blackburn, to whom completed applications should be returned not later than April 21st, 1937. CHAS. S. ROBINSON,
Town Clerk, County Borough of Blackburn.

Town Hall, Blackburn.

The Guest Hospital, Dudley.

(General Hospital—107 Beds—shortly to be increased to 160 Beds.)
The Resident Staff consists of a Resident Surgical Officer and two House Surgeons.

SECOND HOUSE SURGEON (Male) required to commence duty on 2nd May, 1937. Salary at the rate of £120 per annum, with furnished apartments, board, and laundry. Duties are of a general nature, more especially Surgical and Ophthalmic work and administration of Anæsthetics.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned. H. RAYMOND HURST, House Governor and Secretary.

24th March, 1937.

The Jessop Hospital for Women,

SHEFFIELD.

The Board of Management invite applications for the post of HOUSE SURGEON (Male), unmarried, for a period of six months, commencing at once.

Salary £100 per annum, together with board, residence, and laundry.

Applications, stating age, together with copies of testimonials, should be addressed to the undersigned immediately.

DAVID OSWALD, Superintendent and Secretary.

Portsmouth and Southern Counties

EYE AND EAR HOSPITAL, PORTSMOUTH.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the above post now vacant. Salary £150 per annum, plus board and lodging.

Applications, giving particulars of age, experience, and nationality, to be addressed to the Secretary not later than 19th April.

City of Norwich.

RESIDENT MEDICAL OFFICER, ISOLATION HOSPITAL,
ASSISTANT MEDICAL OFFICER OF HEALTH, AND
ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer, Isolation Hospital, Assistant Medical Officer of Health and Assistant School Medical Officer. Salary £450 per annum, rising to £550 per annum, plus emoluments valued at £150 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave.

For particulars send stamped addressed envelope to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than the 20th April, 1937.

The Royal Portsmouth Hospital,

PORTSMOUTH.
FIVE RESIDENT MEDICAL OFFICERS.

Applications are invited for the post of HOUSE SURGEON (Male), qualified. Salary at the rate of £130 per annum, with board, &c. To commence duties about middle of April. Six months' appointment. Eligible on completion of term for extension or other resident posts.

Applications, stating age, nationality, and full details, with copies of three testimonials, to be sent to the undersigned, from whom all particulars can be obtained.

B. WAGSTAFF, Secretary.

Leigh Infirmary, Lancashire.

Wanted a JUNIOR RESIDENT HOUSE SURGEON (Male), single, for Hospital of 85 Beds. Salary £150 per annum, with rooms, fire attendance, and board. Good quarters. The position is now vacant.

The appointment is for six months with eligibility for re-election. Must be good Anæsthetist. The appointment offers exceptional opportunities for Surgery.

Applications to be addressed to Mr. J. A. SMITH, Secretary, 3, Silk-street, Leigh, Lancashire.

24th March, 1937.

Royal Alexandra Hospital for Sick

CHILDREN, Dyke-road, BRIGHTON. (100 Beds.)

HOUSE SURGEON (Male) required. Salary at the rate of £120 per annum, with board, lodging, and laundry. Good experience. No canvassing. To take up duties early in May.

Applications, in writing, accompanied by testimonials, should be sent to PERCY F. SPOONER, the Secretary.

24th March, 1937.

The Royal Infirmary, Sunderland.

(365 Beds.)

CASUALTY OFFICER required to take up duties immediately. Salary at the rate of £150 per annum, with board, residence, laundry, &c.

The successful applicant will be required also to act as House Surgeon to the Ear, Nose, and Throat Department.

Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned not later than 16th April, 1937.

The Infirmary possesses modern equipment and has up-to-date Pathological and X Ray Departments. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months training required of candidates before admission to the Final Examination for the Fellowship.

J. A. BEARDSALL, House Governor and Secretary.

Applications are invited for the post of

HONORARY ANÆSTHETIST at the ROTHERHAM HOSPITAL.

Apply to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Barrowmore Tuberculosis Sanatorium

AND SETTLEMENT, GT. BARROW, CHESTER.

HOUSE PHYSICIAN (Male) required on May 1st 1937. The appointment is for six months and is renewable. Salary £150 per annum, with board, residence, and laundry.

The Institution deals with all stages of Pulmonary Tuberculosis, and comprises Hospital and Sanatorium accommodation, extensive workshops for graduated work, and a Settlement.

Special treatment, Sanocrysin and Artificial Pneumothorax given.

Applications, marked "House Physician," with copies of three testimonials, should be sent to the Medical Director at the above address not later than 14th April, 1937.

The Mount Vernon Hospital,

NORTHWOOD, MIDDLESEX.
(FOR THE TREATMENT OF CANCER.)

There will shortly be a vacancy for a HOUSE SURGEON (Male or Female). Candidates must be fully qualified and registered. Salary at the rate of £150 per annum, with board, residence, &c. Six months' appointment.

Applications, with copies of three testimonials, to be sent to the undersigned on or before April 17th.

W. J. MORTON, Secretary,
Offices, 32, Fitzroy-square, W.1.

The University of Sheffield.

DEPARTMENT OF BACTERIOLOGY.

The Council are about to appoint an ASSISTANT BACTERIOLOGIST AND DEMONSTRATOR. Salary £500 per annum.

Applications must be received by the undersigned (from whom further particulars may be obtained) not later than April 17th. W. M. GIBBONS, Registrar.

Burton-on-Trent General Infirmary.

Applications are invited for the post of HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry. There are three residents.

Applications, giving age and qualifications, together with copies of testimonials, to be sent to E. W. THORNLEY, Secretary.

Lincoln County Hospital.

Wanted at the beginning of May, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum, rising to £200 per annum at the conclusion of six months' approved service. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testim nials, are to be sent to the undersigned from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

County Hospital, Lincoln, 1st April, 1937.

Macclesfield General Infirmary.

(General Hospital. 100 Beds.)

Applications are invited for the appointment of a SECOND HOUSE SURGEON for a period of six months, to commence 1st May, 1937. Salary £150 per annum, with board and residence.

Applications, with copies of three testimonials, should be sent to the undersigned. J. N. A. BRISCOE, Secretary.

City of Birmingham.

COLESHILL HALL.

ASSISTANT MALE MEDICAL OFFICER.

Coleshill Hall, a colony for mental defectives of all ages and both sexes, consists of two divisions, five miles apart, situated at Coleshill and Marston Green respectively, each about ten miles from Birmingham.

Applications are invited for the whole-time appointment of a Resident Male Assistant Medical Officer at the Marston Green Division (500 Beds, including children's wards and colony hospital with T.B. and V.D. clinics). The candidate appointed may be required to serve at either institution. He will be required to pass satisfactorily a medical examination and to be subject to the provisions of the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. If not already subject to that Act the candidate will be required to serve a probationary period of twelve months. The appointment will be subject to one month's notice on either side.

The commencing salary for a single man will be £350 per annum, rising to a maximum of £650 per annum subject to satisfactory service, plus residential emoluments of board, lodging, and laundry, valued for superannuation purposes at £150 per annum. If married, the commencing salary will be £400 per annum, rising to a maximum of £700 per annum plus emoluments consisting of unfurnished residence, fuel, light, and laundry, valued for superannuation purposes at £100 per annum. An additional £50 per annum will be granted if holding, or on obtaining, a recognised qualification in psychological medicine. All fees, allowances, and remunerations received, other than the foregoing, must be repaid to the City Council.

Application forms may be obtained from the Medical Superintendent, Coleshill Hall, Coleshill, near Birmingham, and must be returned to him not later than Thursday, the 15th April, 1937. F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

Hove General Hospital, Hove.

(50 Beds.)

A JUNIOR RESIDENT MEDICAL OFFICER (Male) is required. Salary £120 per annum, with board, apartments, and laundry. Third-class railway fare will be paid to applicants invited to attend for interview.

Applications must be received by the undersigned not later than Friday, 16th instant.

H. AUBREY FROGGATT, Secretary-Superintendent.

Kettering and District General HOSPITAL.

(102 Beds.)

Applications are invited for the posts of RESIDENT MEDICAL OFFICER and SECOND RESIDENT MEDICAL OFFICER (Males).

Salaries £175 and £125 per annum respectively, with board, residence, and laundry. Candidates must be fully qualified and registered.

The appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

Northumberland County Council.

WOOLEY SANATORIUM, near HEXHAM, for the Treatment of Adults suffering from Tuberculosis. (180 Beds.)

Applications are invited for the appointment of an ASSISTANT MEDICAL OFFICER at the above Sanatorium. Salary £350 per annum, rising by annual increments of £25 to a maximum of £450, with board, lodgings, and laundry.

The salary will be subject to a percentage deduction in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, for which purpose the selected candidate must undergo a medical examination.

Applicants should be unmarried.

The appointment may be terminated by three months' notice on either side.

Applications, containing essential particulars, should be addressed to the undersigned, together with copies of three recent testimonials, as soon as possible.

WILLIAM F. J. WHITLEY, County Medical Officer.

County Hall, Newcastle-upon-Tyne, 1.

North Devon Infirmary, Barnstaple.

Voluntary Hospital. 70 Beds, including Maternity Ward.

Wanted immediately, duly qualified SOLE RESIDENT MEDICAL OFFICER.

Salary £150 per annum, with board, apartments, and laundry.

Appointment to be for not less than six months. British nationality. Applications, stating age, qualifications, with copies of testimonials, to be sent to the Secretary.

City of Manchester.

BAGULEY SANATORIUM. (333 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Grade 2) at the Baguley Sanatorium.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 24th April, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 3, 2nd April, 1937.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.
(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of DEPUTY MEDICAL SUPERINTENDENT at the above-named hospital Age limit 45 years.

Salary £550 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 1st May, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd April, 1937.

The Glasgow Eye Infirmary.

The Directors invite applications from registered Medical Practitioners for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with apartments and board.

Applications, with copies of testimonials, should be lodged with the undersigned by 22nd April, 1937.

T. C. CALDWELL, Secretary.

171, West Regent-street, Glasgow, C.2,
31st March, 1937.

Royal Salop Infirmary, Shrewsbury.
(150 Beds.)

APPOINTMENT OF RESIDENT HOUSE PHYSICIAN.

Applications are invited from fully qualified unmarried gentlemen for the appointment of Resident House Physician, vacant immediately.

Salary £160 per annum, with board, residence, &c.

The appointment is for six months, subject to reappointment. Resident Staff comprises Resident Surgical Officer, Resident House Physician and two Resident House Surgeons.

The Resident House Physician is Resident Officer to the Medical Wards of the Hospital under the direction of three Honorary Physicians, and is also Resident Officer to the Maternity Department for difficult cases under the direction of the Honorary Obstetrician.

Applications, stating age, qualifications, experience, nationality, and accompanied by copies of three recent testimonials, to be sent to the undersigned not later than 20th April, 1937. J. W. NOBLE, Secretary-Superintendent.

Board Room, 2nd April, 1937.

Royal Victoria Infirmary,
NEWCASTLE-UPON-TYNE.

The House Committee by resolution declare vacant the office of HONORARY SURGEON.

According to statutory provision every candidate must be a registered Graduate in Surgery of any University recognised by the General Council of Medical Education and Registration of the United Kingdom, or a registered Fellow, Member, or Licentiate of one of the Royal Colleges of Surgeons of the United Kingdom, provided that he is practising as a Surgeon and not as a General Practitioner.

Applications must be sent to the House Governor and Secretary, Royal Victoria Infirmary, Newcastle-upon-Tyne, not later than Saturday, 24th April, 1937.

The appointment will be made on the 6th May, 1937.

Personal canvassing will be considered a disqualification for office. S. DUNSTAN, House Governor and Secretary.

2nd April, 1937.

City of Birmingham.
DUDLEY ROAD HOSPITAL. (926 Beds.)

Applications are invited from fully qualified Medical Practitioners for whole-time appointment as JUNIOR MEDICAL OFFICER (Male) at the Dudley-road Hospital, Birmingham. The appointment will be for a period of six months, but may be extended for a further period of not exceeding six months. Salary at the rate of £200 per annum and full residential emoluments. The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by him.

Further particulars may be obtained from the Medical Superintendent at Dudley-road Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials should be forwarded not later than April 21st, 1937.

Royal Hampshire County Hospital,
WINCHESTER.
(167 Beds.)

HOUSE SURGEON.

Applications are invited from fully qualified men for the above post to take up duties on 1st May next. Six months' appointment. Salary £125 per annum, with board, residence and laundry.

Candidates, who must be of British Nationality, to make application to the undersigned, enclosing copies of three testimonials.

3rd April, 1937. HERBERT MASLEN, Secretary.

Grimsby and District Hospital.
(164 Beds.)
(Recognised under the Regulations for F.R.C.S.)

JUNIOR HOUSE SURGEON (MALE).

Applications are invited for the above post. Remuneration £150 per annum, with board residence.

Duties to commence 1st May, 1937. Candidates must be fully qualified and registered. Applications, stating age, qualifications, experience, and not more than three recent testimonials, to be forwarded to the undersigned at once.

H. B. COATES, Secretary-Superintendent.

2nd April, 1937.

Manchester Royal Infirmary and
UNIVERSITY OF MANCHESTER.

DICKINSON SCHOLARSHIPS.

Applications are invited for the TRAVELLING SCHOLARSHIP in MEDICINE, value £300, and for a Scholarship in PATHOLOGY, value £75, each tenable for one year. Candidates must be graduates of any University who have taken their full course of instruction in Medicine and Surgery at the University of Manchester and at the Manchester Royal Infirmary.

Copies of the regulations governing the Scholarships may be obtained from the undersigned, to whom SIX COPIES of application should be sent not later than SATURDAY, 8th May, 1937.

W. R. TINDALE, General Superintendent and Secretary.

Manchester Royal Infirmary.

City of Bradford-Grassington
SANATORIUM.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER at the City Sanatorium, Grassington. This appointment is for a period of one year. Salary £175 per annum, plus board residence.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 17th April, 1937.

Town Hall, Bradford. N. L. FLEMING, Town Clerk.

Taunton and Somerset Hospital
(104 Beds), TAUNTON.

HOUSE SURGEON required at once for a six months' appointment. Senior R.M.O. and a House Physician also on staff. Salary at rate of £100 per annum, and the retention of certain fees.

Applications, with copies of three recent testimonials, to be sent to the Secretary.

Cardiff Royal Infirmary.
(Associated with the Welsh National School of Medicine).
(490 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Ophthalmic Department of the above Institution. The post is tenable for six months, but may be extended for a further six months. The post is open to either sex.

It is desirable that candidates should have some knowledge of refractions.

Salary is at the rate of £80 per annum (with board residence) for the first six months, and if the appointment is renewed for a further six months, at the rate of £120 per annum for the second period.

Applications, with copies of three recent testimonials, should be sent to the undersigned as soon as possible, as the appointment is now vacant.

R. ARMSTRONG, Medical Superintendent.

3rd April, 1937.

The Royal Infirmary of Edinburgh.

Applications are invited for the post of JUNIOR ASSISTANT RADIOLOGIST in the Radiological Department of the Royal Infirmary. A salary at the rate of £250 per annum will be paid, and most valuable experience in a large Radiological Department would be available. Candidates must possess Radiological qualifications and must be prepared to stay at least twelve months.

Applications, stating age and previous experience, should be sent to the undersigned as soon as possible.

HENRY MAW, Secretary and Treasurer.

Royal Buckinghamshire Hospital,
AYLESBURY.
(In course of extension to 115 beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty as soon as possible.

The candidate appointed will be eligible to apply for the Senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned immediately.

F. G. DAWES, Secretary.

Royal Berkshire Hospital, Reading.
(338 Beds.)

Applications are invited for the following resident appointments:—

One HOUSE SURGEON (Male)—immediately.
One CASUALTY OFFICER (Male)—immediately.
One HOUSE SURGEON to the Special Departments (Eye, Ear, Nose, and Throat) (Male)—vacant May 1st.

Appointments are for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undersigned as soon as possible.

H. E. RYAN, Secretary and House Governor.

Royal West Sussex Hospital,
CHICHESTER.
(114 Beds, including 12 in the Private Patients' Block. Two Residents.)

JUNIOR HOUSE SURGEON wanted. Salary at the rate of £125 per annum, with board, residence, and laundry.

Applications should reach the undersigned as soon as possible, together with not less than three recent testimonials. State age, nationality, experience, and qualifications (also telephone number, if possible).

By order of the Board of Management.

23rd March, 1937. ALAN RUDDLE, A.H.O.A., Secretary.

Ancoats Hospital, Manchester.

Applications are invited for the post of full-time RADIOLOGICAL OFFICER (non-resident), to commence duty on 1st May next. Salary £300 per annum, with luncheon and tea. The appointment is for twelve months and is renewable. Candidates must hold the D.M.R.E. diploma.

Applications, stating age and particulars of qualifications and experience, to be forwarded to the undersigned on or before 17th April, together with copies of three recent testimonials. By order of the Board.

HERBERT J. DAFFORNE, Gen. Supt. and Secretary.

Newark General Hospital.

(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

The Liverpool Sanatorium,

DELAMERE FOREST, FRODSHAM, VIA WARRINGTON.

(175 Beds for the treatment of patients suffering from Pulmonary Tuberculosis.)

SENIOR ASSISTANT TO THE MEDICAL SUPERINTENDENT.

Applications are invited from Male Medical Practitioners with suitable qualifications for the above named appointment. Candidates must be unmarried and preference will be given to applicants who have held resident medical appointments since qualification, and have had practical institutional experience in the treatment of Pulmonary Tuberculosis.

Salary will be at the rate of £350 per annum, with board, quarters, and laundry.

The appointment is normally tenable for twelve months but may be extended.

Particulars of duties and full information, together with forms of application, can be obtained from the Medical Superintendent.

Forms completed with copies of three recent testimonials should be returned as early as possible to the Medical Superintendent, the Liverpool Sanatorium, Delamere Forest, Frodsham, via Warrington.

Bedford County Hospital.

Wanted, SECOND HOUSE SURGEON to take over duties on April 16th for a term of not less than six months, salary £150 per annum.

He must be fully qualified, Male, unmarried, previous Hospital experience essential, board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

Hospital Convalescent Homes,

PARKWOOD, SWANLEY, KENT.

(For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The Trustees of the Home invite applications for the post of LADY RESIDENT MEDICAL OFFICER. The appointment is for a period of six months. Salary £200 per annum, with quarters and full board. Candidates should have had recent Hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Friday, 23rd April, 1937.

Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

Wanted, ASSISTANT PATHOLOGIST. Salary £500 per annum.

Applications, stating age and essential particulars, together with copies of not more than three testimonials, to reach Secretary-Superintendent by 17th April.

Borough of Ilford.

RESIDENT MEDICAL OFFICER AT MATERNITY HOME.

Applications are invited for the above whole-time appointment from registered Women Medical Practitioners at a commencing salary of £350 per annum, rising by annual increments of £25 to £450 per annum, with board, lodging, and laundry.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to formal agreement, and the successful applicant will be required to pass a medical examination to the satisfaction of the Medical Officer of Health.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the undersigned, must be submitted to the undersigned not later than Wednesday, the 14th April, 1937. CHARLES N. ROBERTS, Town Clerk.

Town Hall, Ilford.

County Boroughs of East Ham and

SOUTHEND-ON-SEA.

RUNWELL HOSPITAL.
NEAR WICKFORD, ESSEX.
(1032 Beds.)

ASSISTANT RESIDENT PHYSICIAN.

Applications are invited for the post of Assistant Physician to the above new Hospital for mental and nervous disorders.

Salary £350, rising by annual increments of £25 to £450 per annum plus furnished quarters, board, attendance, and laundry, valued for superannuation purposes at £150. An additional £50 will be given to any candidate who holds or obtains the D.P.M. Should the successful candidate be married permission may be given him to live out, and he would then be allowed the value of his emoluments in cash.

The Hospital is built on modern lines and on the villa system, and offers unusually good opportunities for research and post-graduate work.

Forms of application, together with further particulars, are obtainable from the Physician Superintendent, Runwell Hospital, near Wickford, Essex, to whom they should be returned with copies of three recent testimonials, not later than Monday, April the 12th. Envelope to be marked "Physician."

H. J. WORWOOD, Clerk to the Committee.

Royal National Sanatorium,

BOURNEMOUTH.

Applications are invited from Male Medical Practitioners for the following appointments:—

MEDICAL SUPERINTENDENT.

Applicants must have had practical experience in the treatment of Pulmonary Tuberculosis and done responsible sanatorium work.

The successful applicant will be required to reside in close proximity to the Sanatorium, and must devote his whole time to the duties of his office, and will not be allowed to engage in private practice. He will be required to pass a medical examination.

The salary is £800 per annum, rising by annual increments of £25 to £950 per annum.

The appointment will be terminable by three months' notice on either side.

Applications, stating age, with not more than three recent testimonials (copies) of qualifications and experience, should reach the Secretary not later than April 22nd.

The Sanatorium has 95 Beds for the treatment of pulmonary tuberculosis, and is fully equipped for all methods of treatment.

RESIDENT ASSISTANT MEDICAL OFFICER.

Salary £200 per annum, with board, residence, and laundry. Experience in pulmonary tuberculosis desirable.

The appointment will be for one year (renewable). Duties to commence on May 1st.

Applications, with full particulars and copies of recent testimonials, should be addressed to the Secretary.

A. G. A. MAJOR, Secretary.

General Infirmary, Salisbury.

(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

RESIDENT MEDICAL OFFICER (Male) required to commence duty 1st June, 1937.

The appointment is for one year, including a three months' probationary period, with the option of extension.

Candidates must have held at least one appointment at a recognised Hospital as House Physician and/or House Surgeon and Anæsthetist, either separately or in conjunction with the former.

He must reside in the Infirmary and devote his whole time to the service of the Infirmary.

Salary £250 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, and to be received by 30th April, 1937.

The Prince of Wales's Hospital,

DEVONPORT, PLYMOUTH.
(Formerly Royal Albert Hospital, Devonport.)
(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence 1st May, 1937. Appointment is tenable for six months and is subject to renewal or promotion to the Senior position when this post becomes vacant.

Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by 16th April, 1937. FRANK ROWE, Secretary.

30th March, 1937.

The Children's Hospital, Sheffield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st May, 1937.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

The Royal Infirmary, Sunderland.
(290 Beds.)

Two HOUSE SURGEONS (Male) required to commence duty 28th April. Salary £120 per annum with board, residence, laundry, &c. Applications, stating age, qualifications, and accompanied by copies of testimonials, to be sent to the undersigned not later than Wednesday, 21st April. The Infirmary possesses modern equipment and has up-to-date Pathological and X-Ray Departments. The Resident Medical Staff consists of a R.M.O. and six others. The Surgical appointments are recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship.

J. A. BEARDSALL, House Governor and Secretary.

Surrey County Council.

MENTAL HOSPITALS COMMITTEE.

APPOINTMENT OF JUNIOR ASSISTANT MEDICAL OFFICERS (Male).

Applications are invited for positions as Male Junior Assistant Medical Officers (unmarried) in the Surrey County Mental Hospital Service.

Commencing salary, which will be subject to statutory deductions under the Asylums Officers' Superannuation Act, 1909, will be £350, rising by annual increments of £25 to a maximum of £450 per annum, together with apartments, board, laundry, and attendance, valued for superannuation purposes at £150 per annum. The persons appointed will also be paid in addition to their salaries the sum of £50 per annum if they hold the Diploma in Psychological Medicine.

The appointments will be subject to termination by one calendar month's notice on either side, and the persons appointed will be required to undergo a medical examination.

Applications, stating age, accompanied by copies of three recent testimonials, and enclosed in an envelope endorsed "Mental Hospitals Junior Medical Officer," must reach me not later than Wednesday, 21st April, 1937.

DUDLEY AUKLAND, Clerk of the Council.

Mental Hospitals Department, County Hall, Kingston-upon-Thames, 6th April, 1937.

St. Bartholomew's Hospital, Rochester.
(126 Beds.) (Four Residents.)
Rochester, Chatham, Gillingham, and District.

The House and Finance Committee invite applications for the post of HOUSE SURGEON, which will become vacant on the 1st June, 1937.

Candidates must be unmarried, qualified, and registered Medical men. The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, &c., accompanied by copies of three recent testimonials, must be received by the Secretary not later than 23rd April.

Canvassing the Honorary Staff will disqualify.

The King Edward VII. Welsh National
MEMORIAL ASSOCIATION.

Applications are invited from duly registered Women Medical Practitioners for the post of HOUSE PHYSICIAN at the ADELINA PATTI HOSPITAL, CRAIG-Y-NOS, SWANSEA VALLEY (126 Beds for Adults and Children, Pulmonary and Non-pulmonary cases).

Salary at the rate of £150 per annum, plus maintenance. The appointment is for a period of six months.

Applications, stating age, qualifications, and previous experience, together with copies of three recent testimonials, should reach the undersigned not later than Tuesday, April 20th, 1937.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff.

Victoria Central Hospital, Wallasey.
(135 Beds.)

Applications are invited for the position of JUNIOR HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board residence, and laundry.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent to the undersigned.

FRANK DEAN, F.C.I.S., Secretary-Superintendent.

Norfolk and Norwich Hospital,
NORWICH. (417 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Special Departments (Ear, Nose, and Throat, and Ophthalmic). Salary £160 per annum, with board, residence, and laundry. Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

9th April, 1937.

County Borough of West Bromwich.

HALLAM HOSPITAL. (472 Beds.)

HOUSE PHYSICIAN.

Applications are invited from duly qualified Male registered Practitioners for the above-mentioned post.

The appointment is for six months, with eligibility for a further six months. Either party may give six weeks' notice terminating the appointment. The Hospital is equipped with up-to-date special departments. There is a visiting staff of eight physicians and surgeons, one resident surgical officer, and three resident medical officers.

Salary £200 per annum and also board residence.

Canvassing, either directly or indirectly, is strictly prohibited and will be deemed a disqualification.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Thursday, April 15th, 1937. ALFRED WICKHAM, Town Clerk.

Town Hall, West Bromwich, 23rd March, 1937.

County Borough of Oldham.

BOUNDARY PARK MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer.

Salary £200 per annum, with board, residence, and laundry.

Candidates should be unmarried.

The appointment will, in the first instance, be for a period of six months. The successful applicant, however, will be eligible for re-appointment for a further period of six months.

The Hospital comprises 375 beds, with facilities for gaining experience in medicine, surgery, midwifery, and diseases of children.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than Monday, 26th April, 1937.

JOSEPH J. WILLIAMS, LL.D., Town Clerk.

Town Hall, Oldham, 5th April, 1937.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of SENIOR HOUSE SURGEON (Female), vacant 21st May, 1937. The appointment is for a period of six months.

Salary at the rate of £200 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Application, with copies of recent testimonials, to be addressed to the Secretary.

WILFRID G. KEMSLEY, Secretary.

Bootle General Hospital, Bootle,
LIVERPOOL, 20.

Applications are invited for HOUSE SURGEON to Special Departments (Orthopædic, Ear, Nose, and Throat, Gynæcological, &c.)

Applicants must be duly qualified and registered under the Medical Acts.

The appointments will be tenable for six months from 1st April next.

The salary attached to the post is £150 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent to me immediately.

A. J. COOPER, Secretary-Superintendent.

The Sheffield Royal Hospital.
(340 Beds.)

Applications are invited for the post of WHOLE-TIME CLINICAL ASSISTANT to the Ophthalmic Department. The duties are of registrar type, and candidates should have good out-patient experience. Salary £300 per annum, non-resident.

The appointment, in the first instance, is for one year.

W. H. BOOTH, Superintendent and Secretary.

Caernarvonshire and Anglesey
INFIRMARY, BANGOR. (A GENERAL HOSPITAL.)

Wanted, a SENIOR and a JUNIOR HOUSE SURGEON (Males). Salary £150 and £100 per annum respectively, with board, residence, and laundry. Duties to commence at once. Applications, stating age, qualifications, and nationality, with two testimonials, to reach the Secretary not later than April 13th.

General Hospital, Nottingham.
(386 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Candidates are invited to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned without delay. Duties to commence as soon as possible.

PETER M. MACCOLL, House Governor and Secretary.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEONS required (General Surgery). The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 5th April, 1937.

York Dispensary.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Female), to commence duties as soon as possible.

The resident staff consists of two medical officers, whose duties are to visit and attend the sick poor in their own homes, and to assist the honorary staff. Candidates must be duly qualified, registered, and unmarried. Some experience of the administration of anæsthetics is essential. Salary £175 per annum, with board, lodging, and attendance, and allowance for laundry.

Applications, with testimonials, to be sent on or before April 17th to— JOHN C. PETERS, Secretary.

4, New-street, York.

Victoria Cottage Hospital, Barnet.
(53 Beds.)

The Committee invite applications for the following posts to the Hon. Consulting Staff:—

1. CHILDREN'S PHYSICIAN. F.R.C.P. or M.R.C.P. on Staff of London General Hospital or Children's Hospital.
2. SURGEON. Preferably under forty. F.R.C.S. on Staff of London General Hospital.
3. GYNÆCOLOGIST. Preferably under forty. F.R.C.S. on Staff of London General Hospital.

Applications should be received by the Secretary not later than April 21st. ELSIE A. HENDERSON, Secretary.

Borough of Swindon.

DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Corporation of Swindon invite applications from fully qualified Medical Men for the position of Deputy Medical Officer of Health and Assistant School Medical Officer.

The commencing salary will be £600 per annum, rising by four annual increments of £25 (subject to satisfactory service) to a maximum of £700 per annum.

The person appointed will be required to devote the whole of his time to the duties of the office, and to act under the supervision of the Medical Officer of Health.

The applicant selected for the appointment will be required to pass a medical examination and (if appointed) to contribute to the fund established under the Local Government and Other Officers' Superannuation Act, 1922.

Intending applicants must possess the Diploma in Public Health, or an equivalent qualification.

Excellent opportunities present themselves for gaining experience in the working of a modern Public Health Department, together with facilities for research. The appointment will be terminable by three months' notice on either side.

Particulars of duties and forms of application may be obtained from the Medical Officer of Health, 61, Eastcott-hill, Swindon.

Canvassing in any form will be deemed a disqualification, and applicants must state, on a form of declaration which will be supplied with the form of application, whether to their knowledge they are related to any member of the Council or to any Senior Officer of the Corporation.

Applications (upon the prescribed forms) endorsed "Deputy Medical Officer of Health," must be delivered at my Office not later than Friday, the 30th April, 1937.

W. H. BENTLEY, Town Clerk.

Town Hall, Swindon, 5th April, 1937.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT, CANWELL HALL BABIES' HOSPITAL. (84 Beds.)

A WOMAN RESIDENT MEDICAL OFFICER is required for a period of six months. Duties to commence on June 4th.

Applicants should have had previous experience as a resident house physician.

Salary £250 per annum, with board and laundry.

The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by her.

Applications, giving particulars of qualifications, age, and experience, and accompanied by copies of three recent testimonials, should be sent to the Medical Officer of Health, The Council House, Birmingham, 3, on or before April 21st, 1937.

F. H. C. WILTSHIRE, Town Clerk.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

THREE TEMPORARY MEDICAL OFFICERS.

Three Women Temporary Medical Officers are required for a period of approximately, five, four, and two months respectively, from June 7th in two cases, and July 2nd, in one.

Applicants should have had considerable experience in work with mothers and children, including resident posts in a maternity hospital and in a children's hospital. The salary offered is £10 per week.

The appointment cannot be terminated within the period named except for health reasons.

Applications, endorsed "Temporary Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham 3, and returned to him on or before Wednesday, April 21st, 1937.

F. H. C. WILTSHIRE, Town Clerk.

Torbay Hospital, Torquay.
(168 Beds.)

HOUSE PHYSICIAN and HOUSE SURGEON required May 1st and 15th respectively. Salary £175, with board, &c. Apply with testimonials, stating age and nationality, to Secretary.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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Married Couple seek position in London district as CARETAKERS Doctor's premises. Man in employment, woman would undertake household duties.—Address, No. 208, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Lady, well educated, seeks post as RECEPTIONIST and SECRETARY to Doctor, or Doctors. Straightforward dispensing could be undertaken. Well recommended by a Medical Association.—Address, No. 206, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted, Medical Student (Male) as COMPANION for elderly English Gentleman, semi-invalid, travelling abroad. Aged 18–25; well above 6 ft.; very strong; active; adaptable. References (copies), photo (returned) to "E.A.," c/o Streets, 6, Gracechurch-street, London, E.C.3.

Partnership in well-established Colonic Irrigation Practice in West End of London available owing to the owner's proposed retirement. An amalgamation or sale would be considered. Purchase price £1000–£3000, according to share acquired.—Reply to Godwin & Taylor, Chartered Accountants, 73, Basinghall-street, London, E.C.2.

A Doctor with a small Country Practice desiring a Holiday during the months of May to July can obtain the services of an experienced man as LOCUM whose only expenses will be hospitality and the expenditure on his car.—Address, No. 207, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

It is desired to learn of some retired PATHOLOGIST resident in the North of England who would be prepared to do Locum work in a large laboratory in the North of England when occasion arose.—Address, No. 205, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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Apply, Owner, 29, Wimborne-road, Bournemouth.

To Doctors receiving Patients.—An exceedingly well-appointed DETACHED HOUSE standing in ¼ acre of gardens in good position in TUNBRIDGE WELLS. Oak panelled hall, 3 rec., 8 bed., bathrm., and g.f. offices. E.L. and power. Garage. For sale with possession £1975. (34003).—Brackett and Sons, 27 and 29, High-street, Tunbridge Wells, and 34, Craven-street, Charing Cross, W.C.2.

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1. LONDON, S.E.—Old-estab. middle- and working-class PRACTICE producing for the last 12 months £1320. Panel of approx. 900 and P.M.S. worth £25. House contains 2 reception, 4 bedrooms, &c. Small garden. Leasehold for sale. Premium for Practice and House £3500 or near offer.
2. LONDON, N.—Old-estab. chiefly working-class PRACTICE. Receipts for last 12 months approx. £1600 with panel of about 2700. Suitable accommodation can be rented at £92 p.a.
3. LONDON, W.2.—Old-estab. mixed-class PRACTICE producing £935 for the last 12 months. Panel 1143. Visits 3s. 6d. to 10s. 6d. Roomy house with small garden can be rented at £130 p.a. Premium 2 years' purchase.
4. LONDON, S.W.—Well-estab. mixed PRACTICE averaging £3100 p.a. Panel of 1200. Appointments worth about £300 p.a. Fees from 3s. 6d. Good house with large garden can be rented at £100 p.a. Premium £6000.
5. SOMERSET.—MARKET TOWN.—Estab. over 50 years, and averaging about £1000 p.a. Panel of nearly 900 and appointments worth over £100. Non-dispensing with fees from 5s. to 21s. Midwifery not encouraged. Good house available, freehold, containing 3 reception rooms and six bedrooms with separate surgery. 1¼ acres of productive garden and garage for 2 cars. Electric light and water. Price £1500. Premium 2 years' purchase.
6. EASTERN COUNTIES.—Country PARTNERSHIP.—One-third Share available in mixed-class Practice over £2500 p.a., including panel of nearly 1800. House contains 2 reception, 4 bedrooms, large and attractive garden and good garage. Rent £55 p.a. Sport of all kinds. Premium 2 years' purchase or near offer.
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9. DEATH VACANCY.—YORKSHIRE.—Better-class PRACTICE in good residential district. Gross cash receipts average about £650. Panel of about 400. Suitable house can be rented at £100 p.a. Offers invited.
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12. WESTERN DISTRICT OF LONDON.—Old-estab. goo mixed-class PRACTICE producing between £1600 and £1700 p.a., including panel of 1500. Roomy corner house in excellent position with garage. Freehold for sale.
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15. DEATH VACANCY.—LONDON, EAST.—Old - estab. PRACTICE averaging for past 3 years £900 p.a., including panel of over 1300 and appointments worth about £100 p.a. Low expenses. Suitable house available on rental. Premium £1650.
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17. LONDON, WEST.—PARTNERSHIP.—One-third Share with increase later is offered in well-estab. Practice producing £2400 p.a. with scope. Suitable house can be obtained. Premium 2 years' purchase.
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"The Lancet," No. 3923, Vol. CLV.
"The Edinburgh Medical Journal," No. 567, Vol. LIV.
"The Lancet," No. 4143, Vol. CLXIV.

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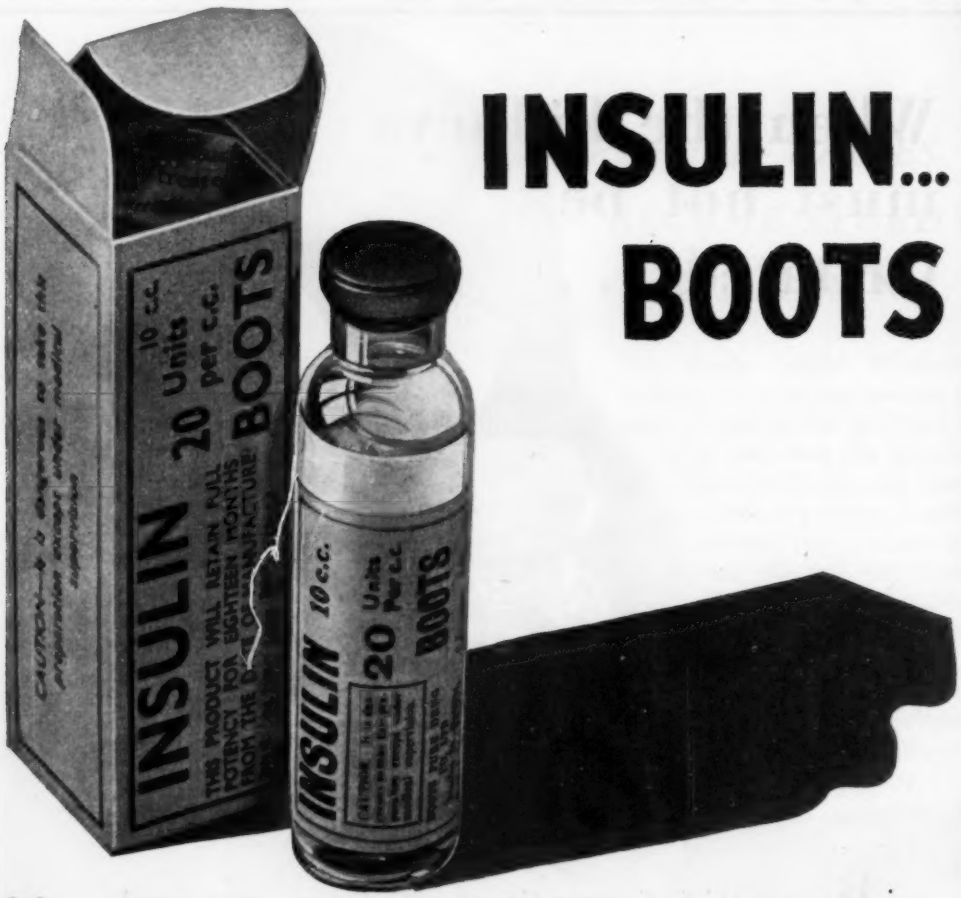

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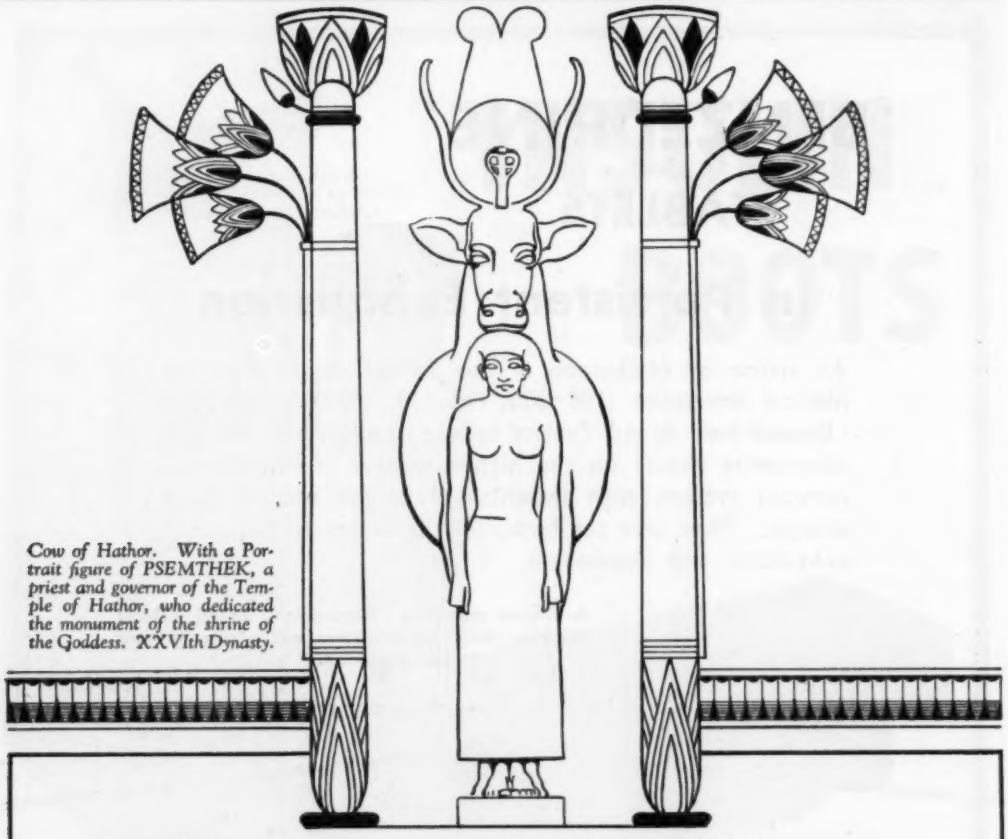

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Adults : 20 minims three times daily after meals, or for intensive treatment, one teaspoonful once or twice daily, increasing to one tablespoonful two or three times daily.

Children: 5 to 10 minims three times daily after meals, or for intensive treatment, 15 to 30 minims once or twice daily, increasing to one dessertspoonful two or three times daily.

Colliron is issued in:

4 fld. oz. bottles	3/-	80 fld. oz. bottles (Hospital size)	40/-
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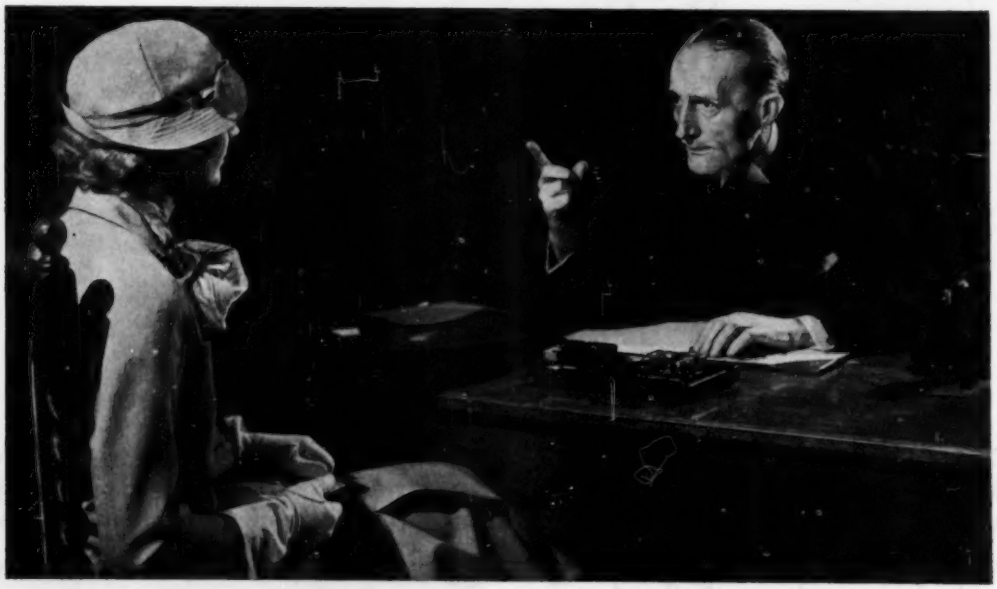

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In such cases

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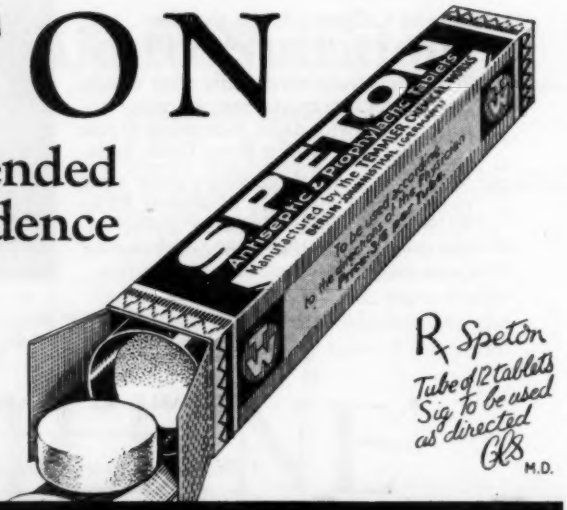

℞ Speton
Tube of 12 tablets
Sig. To be used as directed
GHS M.D.

Obtainable upon prescription through the pharmacist. On sale throughout the Dominions.

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HEPATEX WITH IRON

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GASTREXO WITH IRON

stimulate the blood-making function very vigorously

In the anæmias of Pregnancy and Childhood, and those resultant upon Hæmorrhage and Infection, these products are particularly effective, the choice between them depending upon the response

GASTREXO WITH IRON (Stomach Substance containing 3% iron)
Dosage : Up to 1-oz. daily
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One fluid drachm is equivalent to two ounces of fresh liver and one grain of iron
Dosage : One or two fluid drachms per day
Issued in 2-fld. oz. bottles : **8/6** each

Prepared at Evans' Biological Institute by

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LIVER-STOMACH CONCENTRATE WITH IRON AND VITAMIN B

HÆMOGLOBIN REGENERATION

In addition to producing hæmoglobin and red cells in secondary anæmia, 'Lextron' Brand Liver-Stomach Concentrate with Iron and Vitamin B is also suitable for treatment of pernicious anæmia, since it contains not only the Whipple fraction of liver, but also the principles represented in the Cohn-Minot liver fraction "G." Every lot of 'Lextron' is standardized with regard to its hæmoglobin-regenerating potency in secondary anæmia and is clinically tested as to its remission-inducing properties in pernicious anæmia.

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¶ *Thyroid-Ovarian Emplets are compressed tablets containing a combination of ovarian substance gr. 5, with desiccated thyroid gland gr. ¼, the tablet being coated with a special acid-resisting material; the special coating protects the gland substances from possible inactivation by the acid gastric secretion, but allows easy disintegration in the alkaline secretion of the small intestine. The dose is one Emplet, swallowed whole.*

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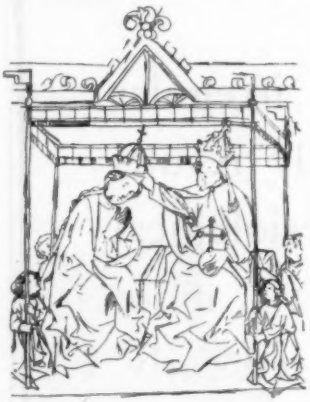

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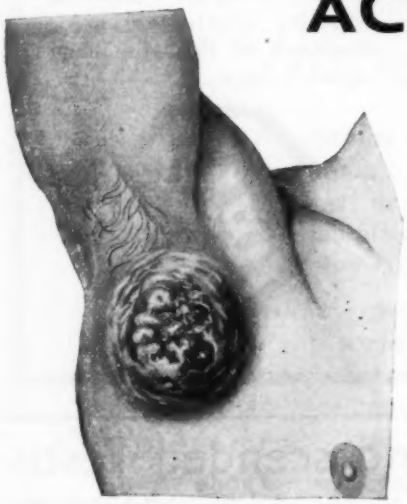

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GROUP	TYPE	CASES	RESULT
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II Subnormal Testis Subnormal Child	Bilateral - -	6	Cured
	Bilateral c̄ hypospadias - -	2	
	Unilateral - -	3	
III Subnormal Testis Normal Child	Unilateral - -	3	Cured
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Practitioner 867-868, November, 1936

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[See also p. 35]

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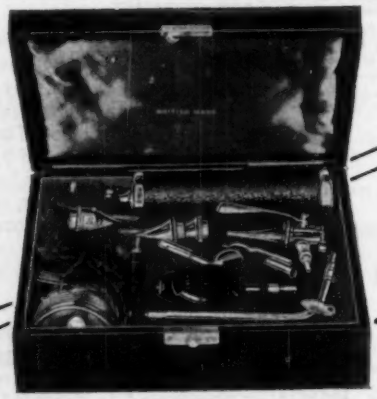

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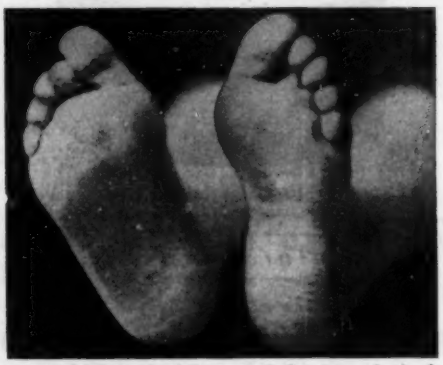

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Fee: £10 10s. for whole Course; £6 6s. for two weeks.

(3) A GENERAL SURGICAL COURSE from August 16th to September 11th.
Fee: £10 10s. for whole Course; £6 6s. for two weeks.

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The Courses will be held only if a sufficient number of entries are received.

Further particulars may be had on application to the Hon. Secretary, Post-Graduate Courses in Medicine, University New Buildings, Edinburgh.

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(Part II. cannot be taken before Part I.)

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PART II.—*17th January–18th March, 1938; 19th April–17th June, 1938.* Fees (inclusive): Part I., £25; Part II., £15.

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	SUBJECT.
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MAY 4th.—FRANCIS MARTIN ROUSE WALSHE, M.D. (Physician in charge of Neurological Dept., University College Hospital.)	"Some General Principles in Neurological Diagnosis"
MAY 18th.—WILLIAM ROBIN THOMPSON, Ph.D., D.Sc., F.R.S. (Asst. Director, The Imperial Institute of Entomology).	"The Biological Control of Insect and Plant Pests." (With Cinema Film.)
MAY 25th.—Prof. EDWARD CHARLES DODDS, M.D., D.Sc. (Director, Courtauld Institute of Biochemistry, the Middlesex Hospital).	"Observations on the Structure of Substances, Natural and Synthetic, and their Reactions on the Body."
JUNE 1st.—FREDERICK THOMAS RIDLEY, F.R.C.S. (Hon. Surgeon, Central London Ophthalmic Hospital).	"The Intraocular Pressure."
JUNE 8th.—WILSON SMITH, M.D. (Member Scientific Staff, National Institute for Medical Research).	"The Influenza Problem."
JUNE 15th.—Prof. JAMES ANDREW GUNN, M.A., M.D., D.Sc. (Director, The Nuffield Institute for Medical Research, Oxford University).	"Treatment of Arrest of the Heart."
JUNE 22nd.—WILLIAM EWART GYE, M.D. (Director, Imperial Cancer Research Laboratories).	"Recent Work on Cancer."

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Further information about the courses may be obtained from G. STEAD, M.A., Secretary for the Diploma, Cavendish Laboratory, Cambridge, or The General Secretary, British Institute of Radiology, 32, Welbeck-street, London, W.1.

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The fees are from 15 guineas a week.

They include medical attendance, all scientific investigations that may be needed, such as analyses, bacteriological cultures, the ordinary X-ray examinations, and electrocardiograph readings: all treatment that may be prescribed such as special diets, insulin, artificial sunlight, electrical treatment, baths, massage, nursing; medicines or vaccines, board and lodging.

The only extra charge is that for a complete alimentary X-ray examination, or for X-ray therapy.

All the usual forms of treatment are given at Ruthin Castle. The climate is mild. The annual rainfall is 30·5 inches, that is, less than the average for England. There is central heating throughout.

Address—THE SECRETARY, Ruthin Castle, North Wales. *Telegrams:* Castle, Ruthin. *Telephone:* Ruthin 66.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

For all information apply:
THE SANATORIUM, MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 2101

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary Patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

VALE OF CLWYD SANATORIUM.

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

THE ROYAL EARLSWOOD INSTITUTION FOR MENTAL DEFECTIVES

Patron: H.M. THE KING.

REDHILL, SURREY. ***(Formerly the EARLSWOOD ASYLUM)***

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations. **SCHOOLS, FARMING, and various TRADE WORKSHOPS.**

Inclusive fees from £110 p.a. **THOSE UNABLE TO PAY** admitted by votes of subscribers, with part-payment toward cost.

RECREATIONS: ALL outdoor games, **EXCELLENT BAND** by Male Staff, for Concerts, Dancing, &c.

Apply, THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.
Telephone: Redhill 344. Telephone: City 4697.

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Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Aix and Vichy Douches, Massage, Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**
Illustrated Prospectus C.J. and full information on request.
Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

A Favourite Resort of the Medical Profession

THORPENESS is a privately owned Estate on the Suffolk Coast in a dry, sunny, and bracing climate. No trippers or charabancs. Perfect rest, quiet, and recreation. First-class Golf Course, 64 acre Lake for Sailing and Boating, Tennis, Riding, Bridge, etc. The Dolphin Hotel and Two Guest Houses provide comfort and good food. There are also furnished houses to let. Thorpeness is especially attractive in the Spring. *For booklet apply to Estate Office, Thorpeness, Suffolk.*

Bad Kissingen

200 years old Rakoczy Spring

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of which will be supplied.

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40 minutes from Frankfort-on-Main. **From Victoria 18 hours**

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.
BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

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Special terms for physicians and their families

For all particulars apply to German Railways Information Bureau, 19, Regent Street, S.W.1, and Tourist Offices, or to Kurverwaltung Bad-Nauheim.

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Renowned for Health-giving air and recuperation. The Healthy Tonic Resort. Dancing, Music, Tennis, Bathing, and all sports.

Write for Holiday Guide free to Publicity Manager, Dept. "L," Town Hall, Cleethorpes

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specially suitable for the treatment of Disorders of the Liver—congestion, cirrhosis, jaundice, cholecystitis, cholelithiasis, and tropical liver: Diseases of the Skin—eczema, psoriasis, the coccal infections of the skin, etc.: the Chronic Rheumatic Diseases—Arthritis, Fibrositis, Neuritis, Gout, Hyperpiesis, Mucous Colitis, Functional Disorders of the Heart, Pelvic Disorders of Women, Convalescence from acute illness.

A wide range of Sulphur waters, strong and mild, and of Iron waters, both saline iron and pure chalybeate, is available for dealing with the large group of disorders amenable to Spa treatment. Prescribed diets obtainable at hotels and boarding houses, without extra charge. Complimentary and reduced price facilities for the Cure, Accommodation and Amusements for Members of the Medical Profession.

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MONTHLY RETURN TICKETS AT A PENNY A MILE

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LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Squash racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 12. *Apply,* J. C. BAKER, M.B.

HILL END HOSPITAL

FOR MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary, or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO THREE GUINEAS PER WEEK.

For further particulars apply to the Medical Superintendent, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary Patients are also received for treatment. For further particulars apply to the Medical Superintendent.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

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MAGHULL (near LIVERPOOL)

Chairman: Brig.-Gen. G. Kyffin-Taylor, C.B.E., V.D., D.L.

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £3 p.w. upwards.
2nd Class (men and women) 32/- p.w.

For further particulars apply:

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CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES

LITTLETON HALL, BRENTWOOD, ESSEX

(18 MILES FROM LONDON.)

400 feet above sea.

HOME for few LADIES Mentally Afflicted. Large grounds. Liverpool st. 26 min. Stations Brentwood, Shenfield, one mile. Boarders received. Apply Dr. Haynes. Telephone and Telegrams: Haynes, Brentwood 45.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER, vacant 1st June for a period of six months (subject to re-election). Salary at the rate of £150 per annum with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 30th April to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

Royal Chest Hospital, City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the post of HOUSE PHYSICIAN, vacant 1st June for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 30th April to the undersigned from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3.
(138 Beds.)

The Committee of Management invite applications for the post of CASUALTY OFFICER for a period of three months.

Duties to commence on the 1st May, 1937. Hours 9 A.M. to 1.30 P.M. daily (including Saturday). Salary at the rate of £200 per annum with lunch.

Candidates are expected to attend a Sub-Committee for an interview, and should send their applications and copies of three testimonials, to the Secretary not later than first post on Tuesday, 20th instant.

D. ST. JOHN BAMFORD, Secretary.

County Council of Middlesex.

ASSISTANT PATHOLOGIST.

Applications are invited for the pensionable appointment of Assistant Pathologist to REDHILL COUNTY HOSPITAL, EDGWARE. Candidates must be registered Medical Practitioners, with special knowledge and experience of pathology, who are engaged wholly or chiefly in the practice of this branch of medicine.

The officer appointed must devote his whole time to the duties of his office. He will not be allowed to engage in private practice, and any fees received by him must be paid over to the Council.

The appointment, which will be subject to medical examination, will be held during the pleasure of the Council, and is terminable by three months' notice on either side.

Salary £650 per annum, rising by annual increments of £25 to £800 per annum.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 24th April. Application forms are not provided. Envelopes must be endorsed "Assistant Pathologist, Redhill County Hospital, B.3."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE, Clerk of the County Council
Middlesex Guildhall, Westminster, S.W.1,
1st April, 1937.

The Queen's Hospital for Children,

Hackney-road, London, E.2.

HOUSE SURGEON required May 1st.

Six months' appointment. Salary at the rate of £100 per year, with board, lodging, and laundry.

Applications must be made on forms to be obtained from the undersigned, and must be sent in, with copies of not more than four testimonials, on or before April 20th.

1st April, 1937. CHARLES H. BESSELL, Secretary.

The London Lock Hospital.

Applications are invited for the post of RESIDENT MEDICAL OFFICER to the Male Departments. (Out-patients, Dean-street; In-patients, Harrow-road.) Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 8th May. Salary at the rate of £175 per annum, with furnished rooms at the Harrow-road Hospital, full board, and laundry.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the undersigned by Thursday, 29th April, and from whom a copy of the bye-laws relating to the appointment, or any further particulars, can be obtained.

J. F. MORTON, Secretary.

283, Harrow-road, W.9, March, 1937.

Royal Free Hospital,

Gray's Inn-road, London, W.C.1.

Applications are invited for the appointment of ASSISTANT PHYSICIAN to the Department of Physical Medicine.

Intending candidates, who must either be members of the Royal College of Physicians or undertake to take the membership within one year of appointment, should submit applications stating age and accompanied by copies of three recent testimonials to the undersigned on or before the 30th June, 1937.

RICHARD T. BARTLEY, Secretary.

Royal Free Hospital,

Gray's Inn-road, W.C.1

Applications are invited for the part-time post (non-resident) of FIRST ASSISTANT in the Children's Department. £100 per annum honorarium.

Candidates should submit applications stating age and accompanied by copies of three testimonials to the undersigned on or before 1st May, from whom further information may be obtained. Preference will be given to former Students of the London (R.F.H.) School of Medicine for Women.

RICHARD T. BARTLEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.
(81 Beds.)

The Board of Management invite applications for the post of HONORARY RADIOLOGIST. The holding of a diploma in Medical Radiology and experience in superficial X Ray Therapy are essential. Two attendances a week will be required. A proportion of certain fees is payable to the Radiologist.

Applications, accompanied by copies of three testimonials, should be sent to the undersigned, from whom any further information can be obtained, not later than Saturday, 1st May.

H. J. ELEY, Secretary.

Borough of Barking.

ASSISTANT MEDICAL OFFICER.

Applications are invited before the 3rd May, 1937, from qualified Medical Practitioners with experience in public health work and a registrable qualification in public health for the designated appointment of Assistant Medical Officer of Health and Assistant School Medical Officer.

Salary scale £500–£25–£700.

Particulars of duties and application form may be obtained from the undersigned.

Town Hall, Barking, Essex. S. A. JEWERS, Town Clerk.

County Borough of Croydon.

PUBLIC HEALTH DEPARTMENT.

MAYDAY HOSPITAL.

TWO JUNIOR RESIDENT ASSISTANT MEDICAL OFFICERS.

Applications are invited from registered Medical Practitioners for the posts of Junior Resident Assistant Medical Officers at the above-named Hospital. The Hospital is a general hospital of 476 Beds. The gentlemen appointed will have charge, in one appointment of medical beds, and in the other appointment of surgical beds, and will be required to act as Anæsthetists when necessary. They will be under the immediate supervision of the Medical Superintendent of the Hospital as regards any of their duties carried out in connexion therewith. The Medical Officers would also be required, if an emergency arose, to act as Assistant Medical Officers of Health, at the discretion of the Medical Officer of Health. The appointments are for a period of twelve months.

The salary will be £300 per annum, with furnished quarters and board at the Hospital. Any fees received in the course of their duties must be handed over to the Council.

Applications to be made on forms to be obtained from the Medical Officer of Health, Town Hall, Croydon, and returned to him, together with copies (not originals) of three testimonials of recent date, not later than 11 A.M. on Monday, the 26th April, 1937, endorsed "Assistant Medical Officer."

Canvassing in any form is prohibited.

JOHN M. NEWNHAM, Town Clerk.

Town Hall, Croydon, 6th April, 1937.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL (112 Beds).
(Recognized by the Royal College of Surgeons of England for its surgical practice.)

The Board of Management invites application from suitably qualified Male candidates for the following appointments:—

(*a*) HOUSE PHYSICIAN, commencing 1st June, 1937.
(*b*) HOUSE SURGEON, commencing 1st May, 1937.

Each appointment will be for six months, and the rate of remuneration will be £100 per annum, plus board, residence, &c.

The closing date for the receipt of applications, which should be made on the prescribed form (obtainable from the undersigned), is Monday, 19th April, 1937, and short-listed candidates will be required to meet the Appointments Committee on Friday, 23rd April, 1937.

R. S. G. HUTCHINGS, Secretary.

The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A half-time OUT-PATIENT MEDICAL REGISTRAR (Male) will be required. Salary £175 per annum.

Candidates must be legally qualified to practise, and must have held a responsible resident appointment at a General Hospital.

The appointment is tenable in the first instance for one year, but is renewable for two further years.

Applications must be received by noon on Monday, the 26th April, 1937, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th May, 1937.

Further particulars and forms of application are obtainable from the undersigned. HERBERT F. RUTHERFORD, Secretary.

April, 1937.

London Hospital, Whitechapel, E.1.

There is a vacancy for the post of FIRST ASSISTANT to the Gynæcological and Obstetric Department.

Candidates must be Fellows of the Royal College of Surgeons (England).

Applications should arrive not later than by first post on Monday, May 3rd.

The salary of the appointment is £250 per annum, with board and residence.

Further particulars may be obtained from the House Governor.

ARTHUR G. ELLIOTT, House Governor.

Westminster Hospital,
Broad Sanctuary, S.W.1.

Applications are invited for the office of ASSISTANT MEDICAL OFFICER to the X-Ray and Electrical Department. Duties will be confined to physiotherapy.

Candidates must be registered Medical Practitioners, and must have specialised in this subject.

Thirty-five copies of applications and each of three testimonials should be submitted not later than Monday, 26th April, to the undersigned, from whom particulars of the duties may be obtained.

By Order of the House Committee.

CHARLES M. POWER, Secretary.

MINISTRY OF HEALTH

The Minister of Health invites applications for a vacant appointment as TEMPORARY SEROLOGIST on the staff of the Ministry. Both men and women are eligible for appointment.

The salary will be at the rate of £850 per annum.

Candidates must have experience in biochemical research and must present evidence of capacity for original work. A medical qualification is desirable but is not essential; otherwise candidates should possess a University degree in science.

The officer to be appointed will be employed in the first instance in the Pathological Laboratory of the Ministry of Health in London, but must be prepared to work in any part of England (or Wales) if required to do so.

The duties will include investigation into the chemistry and physics of serological reactions generally, the routine performance of Wassermann and precipitation tests with the utmost obtainable accuracy, and research into the chemical constituents of bacteria as reflected by antigenic activity.

Candidates must conform to the Civil Service nationality rule.

The successful candidate will be required to devote his whole time to the Public Service and will be required to take up duty without undue delay.

Canvassing through Members of Parliament or in other ways will render a candidate liable to disqualification.

Forms of application may be obtained from—

The Director of Establishments,
Ministry of Health,
Whitehall, S.W.1

No application can be considered unless received on the prescribed form not later than the 24th April, 1937.

Squint Clinic, King's College Hospital.

Applications, stating qualifications for the post of MEDICAL OFFICER to take charge of weekly clinic for Orthoptic exercises. Remuneration at rate of £80 a year. May be addressed before April 22nd to the House Governor, King's College Hospital, S.E.5.

The Radium Institute,
Riding House-street, London, W.1.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be unmarried.

The salary will be at the rate of £250 per annum, board, residence, and laundry being provided, and the appointment is for six months commencing 17th May next.

Applications, stating age, nationality, qualifications, and experience, with copies of three recent testimonials, must be received at the Institute on or before 5th May next.

Canvassing, either directly or indirectly, is not permitted.

THOS. A. GARNER, Secretary.

Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the Staff appointment of part-time PATHOLOGIST in charge of the Department of Morbid Anatomy and Bacteriology. Facilities will be given for private work and for research. Duty to begin 1st September, 1937, remuneration £350 per annum.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of HONORARY PHYSICIAN to the Children's Department. Applicants must hold the M.D. Degree and be Members of the Royal College of Physicians.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the Staff appointment of Part-time RADIOLOGIST in charge of the diagnostic work. Duty to begin on appointment early in May. Honorarium £200 per annum.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 30th April, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,
Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of HONORARY ASSISTANT SURGEON to the Throat, Nose, and Ear Department. Applicants must be Fellows of the Royal College of Surgeons.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment. Salary £250 per annum, together with board, lodging, and laundry. Candidates must be registered Medical Practitioners, who have held resident appointments in a general hospital.

The officer appointed will be required to work under the control of the Medical Superintendent, and to devote his whole time to his official duties.

The appointment, which will be subject to medical examination, is for a period of six months in the first instance, may be extended for an additional six months, and is subject to one month's notice on either side. At the expiration of one year's service, the successful candidate, if considered satisfactory in all respects, will be eligible, upon recommendation of the Medical Superintendent and subject to confirmation by the Council, for promotion to the post of Assistant Medical Officer. If not so appointed, he will leave the Council's service.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 1st May. Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 6th April, 1937.

Child Guidance Council.

FELLOWSHIPS IN PSYCHIATRY.

The Child Guidance Council offers three Fellowships, each of £300, tenable for a year, for half-time work at the London Child Guidance Clinic, 1, Canonbury-place, Islington, N.1.

Candidates should hold the Diploma in Psychological Medicine or show evidence of psychiatric knowledge up to a similar standard. Experience in Pediatrics or School Medical Service will be regarded as an asset.

The Fellows will be expected to commence work in October this year.

Further particulars and forms of application may be obtained from the Secretary, Child Guidance Council, Woburn House, Upper Woburn-place, London, W.C.1.

Applications should reach the Secretary not later than 10th May, 1937, and should be accompanied by copies of three recent testimonials.

London County Council.

Applications invited from registered Medical Practitioners for appointment as ASSISTANT PATHOLOGIST at THE WHITECHAPEL CLINIC FOR THE TREATMENT OF VENEREAL DISEASES, Turner-street, Whitechapel, E.1. Salary £500 a year (fixed). Minimum hours of duty, thirty-six a week. Appointment subject to annual review and is non-pensionable. Private practice not precluded.

Application forms containing full particulars obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2B, County Hall, S.E.1, returnable by 28th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (GRADE I.). Salary £350–£25–£425, with board, lodging, and washing.

(*a*) ST. JAMES' HOSPITAL, Ouseley-road, Balham, S.W.12.—Surgical experience essential.

*(*b*) ST. STEPHEN'S HOSPITAL, 369, Fulham-road, S.W.10. Duties medical. Experience in anæsthetics desirable.

ASSISTANT MEDICAL OFFICERS (GRADE II.). Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(*a*) BETHNAL GREEN HOSPITAL, Cambridge-road, E.2.—Duties of a general nature, surgical experience desirable.

*(*b*) DULWICH HOSPITAL, East Dulwich-grove, S.E.22.—Medical duties, experience in anæsthetics desirable.

(*c*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Duties, those of a casualty officer and charge of one T.B. ward.

*(*d*) ST. FRANCIS HOSPITAL (previously Constance-road Institution), East Dulwich, S.E.22.—Medical duties.

*(*e*) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—Medical duties, experience in anæsthetics desirable.

*(*f*) ST. NICHOLAS' HOSPITAL, Plumstead, S.E.18.—Duties mainly medical, experience in anæsthetics essential.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 3rd May.

Canvassing disqualifies.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY CLINICAL ASSISTANT with special Psychiatric experience.

Applications should be sent to the undersigned on or before Friday, April 30th, 1937.

J. C. BURDETT, Director and House Governor.

12th April, 1937.

The Nelson Hospital, Merton, S.W.20.

(86 Beds.)

RESIDENT HOUSE SURGEON (Male, unmarried) required early in May for duties in connexion with Men's and Children's Wards—share casualty work. Appointment for six months in first instance.

Salary at rate of £100 per annum, plus usual allowances and fees earned.

Candidates must be British by nationality and birth.

Applications, with copies of recent testimonials, should be sent to the Secretary forthwith.

West End Hospital for Nervous

DISEASES, Out-Patient Department, 73, Welbeck-street, W.1.

The Committee of Management invites applications for an HONORARY PSYCHOTHERAPIST and an HONORARY CLINICAL ASSISTANT (PSYCHIATRIC DEPARTMENT) for the Out-Patient Department.

Candidates are requested to obtain further particulars as to clinic times, &c., from the undersigned, to whom applications, with copies of not more than three recent testimonials, should be posted not later than Monday, April 26th.

J. P. WETENHALL, Secretary and House Governor.

Clinical Assistant (Honorary) required

in the Dermatological Department. Attendance weekly on Thursdays at 2 P.M.

Apply Secretary, London Jewish Hospital, Stepney-green, E.1.

Connaught Hospital,

Walthamstow, E.17.

(118 Beds with five Resident Medical Officers.)

CASUALTY OFFICER (Male) required at once.

Salary £100 per annum, with residence, board, and laundry. Appointment for about six months. Applications, stating age, nationality, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be received on or before Wednesday, 21st April.

KENELM S. ELLISON, General Secretary.

British College of Obstetricians and

GYNÆCOLOGISTS, 58, Queen Anne-street, London, W.1.

EXAMINATION FOR MEMBERSHIP—JULY 1ST AND 14TH, 1937.

Applications on the prescribed form must reach the College not later than Monday, 3rd May. Candidates whose applications are accepted must submit case records, &c., as required by the Regulations not later than Monday, 14th June.

WM. FLETCHER SHAW, Honorary Secretary.

Royal Faculty of Physicians and

SURGEONS.

FINLAYSON MEMORIAL LECTURE

The Dr. James Finlayson Memorial Lecture will be delivered in the Faculty Hall, 242, St. Vincent-street, Glasgow, on Friday, 23rd April, at 8.30 P.M., by Sir Humphry Davy Rolleston, G.C.V.O., K.C.B., M.D., LL.D. The subject of the Lecture will be "The History of Angina Pectoris."

All Members of the Medical Profession are invited to attend.

ARCHIBALD YOUNG, President.

242, St. Vincent-street, Glasgow, C.2, April, 1937.

British Postgraduate Medical School.

(UNIVERSITY OF LONDON.)

Three PART-TIME DEMONSTRATORS in Clinical Medicine are required for the British Postgraduate Medical School.

Candidates will be required to attend on two mornings and one afternoon each week and carry out such duties as may be allotted to them by the Professor of Medicine. Applicants must hold the degree of M.D. or the Membership of the Royal College of Physicians. The appointment will be for one year and demonstrators will be eligible for re-appointment. They will receive an honorarium of £100 per annum.

Applications, accompanied by copies of three testimonials, must be received not later than the first post on Monday, 3rd May, 1937.

Further particulars can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12.

County Borough of Croydon.

PUBLIC HEALTH DEPARTMENT.

MAYDAY HOSPITAL.

APPOINTMENT OF ASSISTANT PATHOLOGIST AND BACTERIOLOGIST.

Applications are invited for the appointment of a Resident Assistant Pathologist and Bacteriologist at the Mayday Hospital.

Salary will be £350 per annum, plus board, residence, and laundry, and the appointment will be in the first instance for one year, but subject to renewal. If the appointment is renewed remuneration on the Askwith scale will be paid.

Canvassing in any form will be a disqualification.

A list of duties, together with application forms, may be obtained from the Medical Officer of Health, Town Hall, Croydon, and applications should be returned to him not later than 11 A.M. in the forenoon on Monday, 26th April, 1937, accompanied by copies (not originals) of not more than three testimonials of recent date.

JOHN M. NEWNHAM, Town Clerk.

Town Hall, Croydon, 6th April, 1937.

Royal London Ophthalmic Hospital

(MOORFIELD'S EYE HOSPITAL),

City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Tuesdays and Fridays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 8th May, 1937.

A. J. M. TARRANT, Secretary.

St. Thomas's Hospital.

Applications, together with testimonials and full details of academic career, are invited for the post of an ASSISTANT PATHOLOGIST and should be sent to the Clerk to the Governors by the 3rd of May. Salary £450 per annum.

Kent and Canterbury Hospital,

CANTERBURY.

The Board of Management invite application from duly qualified Medical Practitioners for the post of HONORARY ANÆSTHETIST to the Ear, Nose, and Throat Department.

Particulars of the appointment may be obtained from the undersigned, to whom applications, accompanied by testimonials, should be forwarded not later than May 10th, 1937.

J. F. KENT, Superintendent and Secretary.

Newark General Hospital.

(55 Beds.)—Wanted, a fully qualified RESIDENT HOUSE SURGEON (Male and unmarried). Salary £175 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, with copies of testimonials, to be sent to the Secretary.

The Children's Hospital, Sheffield.

(140 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 1st May, 1937.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry. Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

2nd February, 1937.

Northumberland County Council.

WOOLEY SANATORIUM, near HEXHAM, for the Treatment of Adults suffering from Tuberculosis. (180 Beds.)

Applications are invited for the appointment of an ASSISTANT MEDICAL OFFICER at the above Sanatorium. Salary £350 per annum, rising by annual increments of £25 to a maximum of £450, with board, lodgings, and laundry.

The salary will be subject to a percentage deduction in accordance with the provisions of the Local Government and Other Officers' Superannuation Act, 1922, for which purpose the selected candidate must undergo a medical examination.

Applicants should be unmarried.

The appointment may be terminated by three months' notice on either side.

Applications, containing essential particulars, should be addressed to the undersigned, together with copies of three recent testimonials, as soon as possible.

WILLIAM F. J. WHITLEY, County Medical Officer.

County Hall, Newcastle-upon-Tyne, 1.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.
(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of DEPUTY MEDICAL SUPERINTENDENT at the above-named hospital Age limit 45 years.

Salary £550 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 1st May, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 2nd April, 1937.

Royal Salop Infirmary, Shrewsbury.

(150 Beds.)

APPOINTMENT OF RESIDENT HOUSE PHYSICIAN.

Applications are invited from fully qualified unmarried gentlemen for the appointment of Resident House Physician, vacant immediately.

Salary £160 per annum, with board, residence, &c.

The appointment is for six months, subject to reappointment. Resident Staff comprises Resident Surgical Officer, Resident House Physician and two Resident House Surgeons.

The Resident House Physician is Resident Officer to the Medical Wards of the Hospital under the direction of three Honorary Physicians, and is also Resident Officer to the Maternity Department for difficult cases under the direction of the Honorary Obstetrician.

Applications, stating age, qualifications, experience, nationality, and accompanied by copies of three recent testimonials, to be sent to the undersigned not later than 20th April, 1937. J. W. NOBLE, Secretary-Superintendent.

Board Room, 2nd April, 1937.

The Royal Eye and Ear Hospital, BRADFORD.

Wanted, HOUSE SURGEON (Male). Salary £180, with board, residence, and laundry.

Applications, stating qualifications, age, &c., with copies of recent testimonials, to be forwarded to the undersigned.

F. BRIGGS, Secretary-Superintendent.

Grimsby and District Hospital.

(164 Beds.)
(Recognised under the Regulations for F.R.C.S.)

JUNIOR HOUSE SURGEON (MALE).

Applications are invited for the above post. Remuneration £150 per annum, with board residence.

Duties to commence 1st May, 1937. Candidates must be fully qualified and registered. Applications, stating age, qualifications, experience, and not more than three recent testimonials, to be forwarded to the undersigned at once.

H. B. COATES, Secretary-Superintendent.

2nd April, 1937.

Huddersfield Royal Infirmary.

(321 Beds.)

Two Male HOUSE SURGEONS required to commence duty on 1st and 5th May, 1937, respectively.

Salary £150 per annum, with board, residence, and laundry.

Appointment for six months, subject to renewal at the discretion of the Board of Management.

The Hospital is officially recognised for the surgical practice required of non-members before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, with copies of three recent testimonials, to be addressed to the undersigned immediately.

H. J. JOHNSON, General Superintendent and Secretary.

Beckett Hospital and Dispensary, BARNSLEY.

(153 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male). Fellowship degree of the Royal College of Surgeons, England, Edinburgh, or Ireland, will be deemed a recommendation.

Salary £300 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, with copies of testimonials, should be addressed to the undersigned not later than 21st inst.

ARTHUR L. BOURNE, Secretary-Superintendent.

6th April, 1937.

Princess Alice Hospital, Eastbourne.

(Voluntary General Hospital, 120 Beds; Two House Surgeons.)

RESIDENT HOUSE SURGEON (Male) required on 17th April, 1937. Salary at the rate of £150 per annum, with board and laundry. Applications from Registered Practitioners, accompanied by copies of three recent testimonials, should be delivered to the undersigned by first post on Tuesday, 13th April, 1937. W. RUSSELL RUDALL, Secretary.

5th April, 1937.

Hertford County Hospital.

(169 Beds.)

Applications are invited for the post of SENIOR HOUSE SURGEON (Male) (three residents). Salary £200 per annum with board, residence, and laundry. The appointment is for six months in the first instance, commencing 1st May, 1937. Applications, with three recent testimonials, should be sent to the undersigned not later than Monday, 19th April, 1937.

PERCY G. BROOKS, Secretary.

Royal College of Medicine, Baghdad.

Applications are invited for the following posts:—

(1) PROFESSOR OF PATHOLOGY. To teach Pathology, Theoretical and Practical, and Morbid Anatomy in the Royal College of Medicine, Baghdad, and to be in charge of the Government Pathological Laboratory.

(2) PROFESSOR OF BACTERIOLOGY. To teach Bacteriology, Theoretical and Practical, in the Royal College of Medicine, Baghdad, and to be in charge of the Government Vaccine, Vaccine Lymph, and Pasteur Institutes, and to prepare the vaccines required by the Iraq Health Service.

Contract in each case for five years at rate of pay of £150 per month.

Applications for these posts, preferably from young men not over thirty-five, with full particulars of academic career, special training, and research experience, and names of two referees familiar with the candidate's work, to be sent before April 30th, 1937, to Sir JOHN C. G. LEDINGHAM, Lister Institute, Chelsea-gardens, London, S.W.1.

The Royal Infirmary, Sunderland.

(290 Beds.)

Two HOUSE SURGEONS (Male) required to commence duty 28th April. Salary £120 per annum with board, residence, laundry, &c. Applications, stating age, qualifications, and accompanied by copies of testimonials, to be sent to the undersigned not later than Wednesday, 21st April. The Infirmary possesses modern equipment and has up-to-date Pathological and X-Ray Departments. The Resident Medical Staff consists of a R.M.O. and six others. The Surgical appointments are recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship.

J. A. BEARDSALL, House Governor and Secretary.

The King Edward VII. Welsh National MEMORIAL ASSOCIATION.

Applications are invited from duly registered Women Medical Practitioners for the post of HOUSE PHYSICIAN at the ADELINA PATTI HOSPITAL, CRAIG-Y-NOS, SWANSEA VALLEY (126 Beds for Adults and Children, Pulmonary and Non-pulmonary cases).

Salary at the rate of £150 per annum, plus maintenance. The appointment is for a period of six months.

Applications, stating age, qualifications, and previous experience, together with copies of three recent testimonials, should reach the undersigned not later than Tuesday, April 20th, 1937.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Westgate-street, Cardiff.

Norfolk and Norwich Hospital, NORWICH. (417 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Special Departments (Ear, Nose, and Throat, and Ophthalmic). Salary £160 per annum, with board, residence, and laundry. Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

9th April, 1937.

County Borough of Oldham.

BOUNDARY PARK MUNICIPAL HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the post of Resident Assistant Medical Officer.

Salary £200 per annum, with board, residence, and laundry.

Candidates should be unmarried.

The appointment will, in the first instance, be for a period of six months. The successful applicant, however, will be eligible for re-appointment for a further period of six months.

The Hospital comprises 375 beds, with facilities for gaining experience in medicine, surgery, midwifery, and diseases of children.

Application forms may be obtained from the Medical Officer of Health, Town Hall, Oldham, and should be returned, endorsed "Resident Assistant Medical Officer," not later than Monday, 26th April, 1937.

JOSEPH J. WILLIAMS, LL.D., Town Clerk.

Town Hall, Oldham, 5th April, 1937.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of SENIOR HOUSE SURGEON (Female), vacant 21st May, 1937. The appointment is for a period of six months.

Salary at the rate of £200 per annum, with board and residence.

Candidates must be duly registered Medical Practitioners.

Application, with copies of recent testimonials, to be addressed to the Secretary.

WILFRID G. KEMSLEY, Secretary.

Bedford County Hospital.

Wanted, SECOND HOUSE SURGEON to take over duties immediately for a term of not less than six months, salary £150 per annum.

He must be fully qualified, Male, unmarried, previous Hospital experience essential, board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

North Staffordshire Royal Infirmary, STOKE-ON-TRENT.

VACANCY FOR AN HONORARY ANÆSTHETIST.

The Committee invite applications for the post of Honorary Anæsthetist.

Candidates for this appointment will be required to produce evidence of having (after becoming qualified) gained special knowledge of the subject.

All the Members of the Honorary Medical and Surgical Staff must reside within five miles of the North Staffordshire Royal Infirmary, and must be communicable by telephone.

Candidates will be required to attend before the Election Committee at this Infirmary on Thursday, May 6th, 1937, at 3 P.M.

Canvassing will disqualify.

No testimonials will be permitted, but candidates will be allowed to send to each Member of the Election Committee a copy of his application in which will be stated his age, qualifications, and experience.

A list, giving the names and addresses of the Members of the Election Committee, may be obtained from the undersigned, in whose hands applications for the post of Honorary Anæsthetist must be sent (with proof of the necessary qualifications) on or before Tuesday, May 4th, 1937, at 10 A.M.

By Order of the Committee.

W. STEVENSON, Secretary and House Governor.

Liverpool and District Hospital for DISEASES OF THE HEART.

HOUSE PHYSICIAN (Male or Female) wanted immediately. Facilities for writing Thesis. Salary £100 per annum, with board, residence, and laundry.

Applications to Miss LEWIS, Secretary, 14, Cook-street, Liverpool.

St. Albans and Mid-Herts Hospital, Church-crescent, ST. ALBANS.

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The post became vacant on or about the 31st March last.

Applications to be sent to the Secretary, St. Albans and Mid-Herts Hospital, No. 38, St. Peter's-street, St. Albans.

Lancashire Mental Hospitals Board.

CALDERSTONES CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES, WHALLEY, Near BLACKBURN.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited for the whole time appointment of Deputy Medical Superintendent at the above Certified Institution. The salary is £750 per annum, rising by annual increments of £25 to a maximum of £850 per annum (a sum of £50 per annum, in addition to the salary, will be paid if in possession of the D.P.M., or a degree in Psychological Medicine of the London University).

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers' Pensions) Act, 1918.

Applicants are required to send in their applications on a form to be obtained from the undersigned, and applications endorsed "Deputy Medical Superintendent" should be sent to or delivered at my office not later than 12 noon on Friday, the 7th day of May, 1937.

Canvassing, either directly or indirectly, will be a disqualification.

GEORGE ETHERTON,
Clerk of the Board, County Offices, Preston.

April, 1937.

City and County of Bristol. BRISTOL MENTAL HOSPITAL.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Fourth Assistant Medical Officer, at a salary of £500 (gross), rising by four annual increments of £25 to £600 per annum, plus £50 per annum should the candidate selected hold or obtain the D.P.M.

Candidates should be male and unmarried.

There are facilities for research and study-leave is granted in proportion to service.

The selected candidate will be required to live outside the Hospital.

Application forms can be obtained from the Medical Superintendent, Bristol Mental Hospital, Fishponds, Bristol, and must be returned not later than 26th April, 1937.

JOSIAH GREEN, Clerk to the Visiting Committee.

The Council House, Bristol, 1, 6th April, 1937.

General Infirmary, Salisbury.

(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 15th May, 1937.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Coventry and Warwickshire Hospital, COVENTRY.

307 Beds Main Hospital.
40 Beds Convalescent Hospital.

RESIDENT CASUALTY OFFICER wanted. Position vacant May 16th. Salary £125 per annum, with board, laundry, and attendance.

Candidates must be duly qualified and registered. Applications, stating age and enclosing copies of recent testimonials, should be sent to the undersigned immediately.

April 9th, 1937. (Miss) R. HOOPER, Secretary.

Wingfield-Morris Orthopædic Hospital, HEADINGTON, OXFORD.

RESIDENT HOUSE SURGEON (Male) required. Salary £100 per annum. Applications, with testimonials, should be sent to the Secretary, Commander J. T. HENDERSON, before April 30th.

General Hospital, Nottingham.
(386 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Candidates are invited to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned without delay. Duties to commence as soon as possible.

PETER M. MACCOLL, House Governor and Secretary.

General Hospital, Nottingham.
(386 Beds.)

A HOUSE SURGEON is required at the above Institution for the Ear, Nose, and Throat Department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned without delay.

Duties to commence on Friday, May 7th.

PETER M. MACCOLL, House Governor and Secretary.

Chesterfield and North Derbyshire
ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS

Applications are invited from fully qualified men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

G. SUNNUCK, Supt. and Secretary.

April 6th, 1937.

Swansea General and Eye Hospital.
(336 Beds.)

CASUALTY OFFICER required. Gentleman, single. Must have had previous hospital experience. Appointment for six months. Duties to commence immediately.

Salary £150 to £175 per annum, according to experience, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

York Dispensary.

Two RESIDENT MEDICAL OFFICERS (Female), are required to commence duties as soon as possible.

The resident staff consists of two medical officers, whose duties are to visit and attend the sick poor in their own homes, and to assist the honorary staff. Candidates must be duly qualified, registered, and unmarried. Some experience of the administration of anæsthetics is essential. Salary £175 per annum, with board, lodging, and attendance, and allowance for laundry.

Applications, with testimonials, to be sent on or before April 24th to— JOHN C. PETERS, Secretary.

4, New-street, York.

The Prince of Wales's Hospital,
DEVONPORT, PLYMOUTH.
(Formerly Royal Albert Hospital, Devonport.)
(64 Beds.)

Applications are invited for the post of JUNIOR HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

Duties to commence 1st May, 1937. Appointment is tenable for six months and is subject to renewal or promotion to the Senior position when this post becomes vacant.

Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned forthwith.

FRANK ROWE, Secretary.

12th April, 1937.

Cheltenham General and Eye Hospitals.

HOUSE SURGEON WANTED (MALE).

The Board of Management invite applications for the post of House Surgeon to the Eye, Ear, Nose, and Throat Department.

Candidates must be of British nationality and fully qualified.

Salary £150 per annum, with board, lodging, and laundry.

The Hospitals are recognised for the F.R.C.S., D.L.O., and D.O.M.S. Examinations.

Applications, with copies of testimonials, to be sent in a sealed envelope, marked "House Surgeon," to the undersigned not later than the 24th April, 1937.

J. CUMMING SMITH, F.C.I.S., Secretary.

The General Hospital, Cheltenham, 12th April, 1937.

Taunton and Somerset Hospital
(104 Beds), TAUNTON.

HOUSE SURGEON required at once for a six months' appointment. Senior R.M.O. and a House Physician also on staff. Salary at rate of £100 per annum, and the retention of certain fees.

Applications, with copies of three recent testimonials, to be sent to the Secretary.

King George Hospital, Ilford.
(8 miles from London). (200 Beds.)

HOUSE SURGEON (Male) required for six months from 1st May. Salary £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, as soon as possible.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

Macclesfield General Infirmary, General
HOSPITAL. (100 Beds.)

Applications are invited for the post of SECOND HOUSE SURGEON. Salary at the rate of £150 per annum, with board and residence. Six months' appointment.

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned as soon as possible. State also whether a member of a Medical Defence Society.

J. N. A. BRISCOE, Secretary.

Staffordshire County Council.

WORDSLEY HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male) for the post of Assistant Medical Officer (Resident) at Wordsley Public Assistance Institution, near Stourbridge. Salary £250 per annum with board, residence, and laundry. Candidates should be unmarried. The appointment will be, in the first instance, for a period of six months, but the successful candidate will be eligible for re-appointment for a further period of six months.

Facilities will be available for gaining experience in medicine, surgery, midwifery, and diseases of children.

Applications, with copies of testimonials, should be sent to the undersigned not later than Thursday, April 29th, 1937.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 12th April, 1937.

Nottingham General Dispensary.
HYSON GREEN BRANCH, NOTTINGHAM.

Wanted, RESIDENT SURGEON (Male or Female), unmarried. Must have Medical and Surgical qualifications. Salary £300 with £25 increase per year up to £350. House, with attendance, lights, and fuel (not board).

Ultra-violet Ray Clinic. This Institution is a non-provident one. No beds. No midwifery.

Applications, stating age, and accompanied by copies of recent testimonials, to be sent by 1st May, 1937, to—

R. H. WILLATT, Secretary.

5, Thurland-street, Nottingham.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the posts of —

(a) HOUSE PHYSICIAN (Male) to the Sutton Branch, vacant April 30th. Salary £160.

The Branch Hospital is not a recovery annexe but a General Hospital of 100 Beds, 45 of which are reserved for medical cases.

(b) SECOND HOUSE PHYSICIAN (Male) Main Hospital, vacant now. Salary £150.

Salary is plus residence, board, and laundry.

The posts are recognised by the University of London for the M.D. Branch I (Medicine) Examination.

The appointments will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

12th April, 1937.

Kent and Sussex Hospital.
(204 Beds.) TUNBRIDGE WELLS.

EAR, NOSE, AND THROAT AND OPHTHALMIC DEPARTMENTS.

Applications are invited for the appointment of HOUSE SURGEON (Male) to the above Departments. Previous experience desirable, but not essential. Duties to include those of Resident Anæsthetist. Salary £150 per annum, board, residence, and laundry in the Hospital. The Hospital is approved by the University of London for the purpose of the M.D. and M.S. Examinations.

Applications, stating qualifications, together with certificate of registration and copies of not more than three recent testimonials, should be sent to the undersigned as soon as possible. Duties to commence 1st May, 1937.

TOM B. HARRISON, Superintendent-Secretary.

York County Hospital.
(204 Beds.)

Applications are invited for the post of HOUSE SURGEON to the EYE, EAR, NOSE, AND THROAT DEPARTMENT. Duties include part-time Casualty and General Hospital work. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M. on Friday, 23rd April, 1937. J. R. MACKRILL, Secretary.

City and County of the City of Exeter.

TEMPORARY ASSISTANT SCHOOL MEDICAL OFFICER AND ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners (Male) having experience in the inspection and treatment of school children, dental anæsthetics, and the conduct of maternity and child welfare centres, as well as the general work of a public health department.

The appointment will be for a period of approximately three months terminable by one month's written notice on either side. The salary will be at the rate of £600 per annum, and the gentleman appointed must give his whole time to the service of the Council.

Applications, stating name, age, qualifications, experience, also the earliest date on which the duties can be commenced, together with copies of not more than three recent testimonials, should be forwarded to me not later than Tuesday, the 27th April next.

C. J. NEWMAN, Town Clerk.
Town Clerk's Office, Exeter. 12th April, 1937.

Ancoats Hospital Convalescent Home,
GREAT WARFORD, ALDERLEY EDGE.

Applications are invited for the post of HONORARY VISITING MEDICAL OFFICER to the above. Honorarium, £50 per annum.

Applications, stating age, qualifications, experience, &c., together with copies of three testimonials, to be forwarded to the undersigned on or before 30th April.

By order of the Board.
HERBERT J. DAFFORNE,
General Superintendent and Secretary.

Fermanagh County Hospital,
ENNISKILLEN, NORTHERN IRELAND.

SURGEON-SUPERINTENDENT REQUIRED.

Whole-time appointment, with Consultation Practice confined to Co. Fermanagh.

Salary £750 per annum, plus £100 per annum in lieu of a residence.

Qualifications: (1) F.R.C.S. or M.Ch. and at least three years' experience in Surgical work in a recognised Clinical Hospital; or (2) Have had five years' recent experience as an Operating Surgeon in a recognised Clinical Hospital.

Preference will be given to applicants who are also highly qualified, and experienced, Physicians

Twenty copies of application and testimonials, addressed to the Secretary, to be received on or before Monday, 17th May.

Royal Devon and Exeter Hospital,
EXETER. (275 Beds.)

HOUSE PHYSICIAN.

HOUSE SURGEON TO EAR, NOSE, AND THROAT DEPARTMENT.

The above resident posts (Male only) are shortly becoming vacant.

The appointments are for six months at a salary at the rate of £150 per annum, with eligibility for re-election.

Candidates must possess registered qualifications.

Applications, stating age, qualifications, and copies of three recent testimonials, should be sent to the undersigned as soon as possible. S. S. COLE, Secretary and Manager.
12th April, 1937.

County Borough of Halifax.
THE HALIFAX GENERAL HOSPITAL
(405 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER (MALE).

Applications are invited from duly qualified registered Medical Practitioners for the above appointment.

Salary £250 per annum, together with board, residence, and laundry. The appointment is for a term not exceeding one year and is not renewable.

Forms of application and conditions of appointment can be obtained from the Medical Officer of Health, Powell-street, Halifax.

Completed applications, together with copies of not more than three recent testimonials, endorsed "Junior Resident Medical Officer," must be forwarded so as to be received by the undersigned not later than Saturday, 24th April, 1937.

Canvassing, either directly or indirectly, will be a disqualification.

The Council has not adopted a superannuation scheme.

PERCY SAUNDERS, Town Clerk.
Town Hall, Halifax, 9th April, 1937.

County Borough of St. Helens.

ASSISTANT MEDICAL OFFICER OF HEALTH (FEMALE).

Applications are invited for the post of Assistant Medical Officer of Health (Female).

The duties will be mainly in connexion with Maternity and Child Welfare and the School Medical Service, together with such other duties as the Medical Officer of Health may direct.

Candidates must have special experience in Midwifery and in the diseases of children, and the possession of a diploma in Public Health will be regarded as an additional qualification.

The salary will be at the rate of £500 per annum, plus travelling expenses, rising by annual increments of £25 to a maximum of £700 per annum.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the successful candidate passing the necessary medical examination.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, St. Helens, and completed applications, accompanied by copies of not more than three recent testimonials, should reach him not later than 1st May, 1937.

FRANK HAUXWELL, Medical Officer of Health.

The Chester Royal Infirmary.
(225 Beds.)

Applications are invited for the post of HOUSE SURGEON, (Male) to take up duty immediately.

Salary £150 per annum, with board, lodging, and laundry. The appointment is approved in connexion with the M.S. (London University) and F.R.C.S. (Eng.) Examinations. Application list closes 29th April, 1937.

Application forms may be obtained from—
W. H. GRACE, M.D., M.R.C.P., Hon. Sec., Medical Committee.

Bethlem Royal Hospital.
MONKS ORCHARD, BECKENHAM, KENT.

CONSULTING SURGEON.

Applications are invited for this post. Candidates must be Fellows of the Royal College of Surgeons of England, Scotland, or Ireland. The appointments to be held for one year subject to annual re-election at the April Court.

Recognition by way of honorarium is made.

For further particulars apply to the Physician-Superintendent at the Hospital.

Applications for the appointment must be forwarded to the Clerk to the Governors at his Office as under on or before April 30th.

JOHN L. WORSFOLD, Clerk, &c.
Bethlem Royal Hospital Office, 14A, New Bridge-street, E.C.4.

Bethlem Royal Hospital.
MONKS ORCHARD, BECKENHAM, KENT.

RADIOLOGIST.

Applications are invited for this post. Candidates must be graduates of a British University and have had other hospital experience as a Radiologist.

The Officer appointed will be expected to attend at the Hospital weekly, or as may be required on notification by the Physician-Superintendent.

The appointment will carry an honorarium of 150 guineas per annum, and will be held for one year subject to annual re-election at the April Court.

For further particulars apply to the Physician-Superintendent at the Hospital.

Applications for the appointment must be forwarded to the Clerk to the Governors at his office as under on or before April 30th.

JOHN L. WORSFOLD, Clerk, &c.
Bethlem Royal Hospital Office, 14A, New Bridge-street, E.C.4.

The Kirk Duncanson Fellowship for
MEDICAL RESEARCH.

The Council of the Royal College of Physicians of Edinburgh will shortly award a Fellowship to the candidate who, in the opinion of the Council, is deserving of the Fellowship, and who furnishes satisfactory evidence of his ability for research. The Fellow will be required to devote his whole time to the tenure of the Fellowship and shall not, without the consent of the Council, hold any other Fellowship, Scholarship, or Exhibition, or hold any paid appointment or undertake any remunerative work.

The value of the Fellowship for the first year will be £300. The Council may renew the tenure of the Fellowship for a second or subsequent year or years at increased emoluments.

Applications must be lodged with the Secretary, Royal College of Physicians, Edinburgh, 2, not later than 30th June, 1937.

Doncaster Royal Infirmary and
DISPENSARY.
(185 Beds.)

CASUALTY HOUSE SURGEON (Male) required immediately. Salary at the rate of £175 per annum, with residence, board, and laundry.

Applications, accompanied by not more than three testimonials to be sent to the Secretary-Superintendent.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1937.

Kettering and District General HOSPITAL.
(102 Beds.)

Applications are invited for the posts of RESIDENT MEDICAL OFFICER and SECOND RESIDENT MEDICAL OFFICER (Males).

Salaries £175 and £125 per annum respectively, with board, residence, and laundry. Candidates must be fully qualified and registered.

The appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

North Riding Infirmary, MIDDLESBROUGH.
(General Hospital. 143 Beds. Three Residents.)

CASUALTY OFFICER required for a period of six months. (Third H.S. and H.P. is an applicant.)

The appointment will be for not less than six months and renewable. Salary £150 per annum, with board, residence, and laundry.

Candidates, who must be Male, unmarried, and of British nationality, are asked to state whether they are prepared to apply for the combined post of THIRD HOUSE SURGEON AND HOUSE PHYSICIAN (£140 per annum) in the event of the present Resident being appointed.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

Royal Manchester Children's Hospital, PENDLEBURY, near MANCHESTER.
(230 Beds.)

RESIDENT SURGICAL OFFICER.

Applications are invited for the post of Resident Surgical Officer. Salary £150 per annum. The appointment is for a period of six months commencing June 1st. Candidates must be unmarried and duly registered. Previous Hospital experience essential.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned not later than Friday, 30th April. Canvassing directly or indirectly, may disqualify.

By order.

H. HEARDMAN, Secretary.

Royal Infirmary, Blackburn.
(244 Beds. Five Residents.)

RESIDENT HOUSE SURGEON (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c. To commence duties as soon as possible.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, Gen. Supt. and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical practice required for the F.R.C.S. examination.

Lincoln County Hospital.

Wanted at the beginning of May, JUNIOR HOUSE SURGEON (Male, unmarried). Salary at the rate of £150 per annum, rising to £200 per annum at the conclusion of six months' approved service. Board, residence, and washing will also be provided.

Every candidate for the appointment must be registered under the Medical Acts.

Applications, stating age and other particulars, with copies of not more than three testimonials, are to be sent to the undersigned from whom further particulars may be obtained.

ARTHUR MOORE, Secretary-Superintendent.

County Hospital, Lincoln, 1st April, 1937.

Hove General Hospital, Hove.
(50 Beds.)

A JUNIOR RESIDENT MEDICAL OFFICER (Male) is required. Salary £120 per annum, with board, apartments, and laundry. Third-class railway fare will be paid to applicants invited to attend for interview.

Applications must be received by the undersigned not later than Friday, 23rd instant.

H. AUBREY FROGGATT, Secretary-Superintendent.

The Sheffield Royal Hospital.
(340 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Ear, Nose, and Throat Department (Male). Salary at the rate of £80 per annum, rising to £100 per annum in six months, with board, residence, and laundry. This is a teaching Hospital with insufficient local candidates to fill all resident posts.

Applications should be sent at once to—

W. H. BOOTH, Superintendent and Secretary.

Worcester Royal Infirmary.

(165 Beds.)

Applications are invited for the post of:—
HOUSE SURGEON to Gynæcological Department with special experience in Anæsthetics, and with some Casualty.

Salary at the rate of £140 per annum with board, residence, and laundry.

Applications must be received by the undersigned by not later than April 24th.

A. R. WISE, Superintendent-Secretary.

Worcester Royal Infirmary.

Applications are invited for the post of:—
JUNIOR HOUSE SURGEON for locum tenens from May 1st to 30th.

Salary £5 5s. per week with board, residence, and laundry.

Applications to reach the undersigned not later than April 24th.

A. R. WISE, Superintendent-Secretary.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL.
(350 Beds.)

ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited from single gentlemen, duly qualified, for appointment as Assistant Medical Officer, at the above Hospital, which contains Medical, Surgical, Maternity, Children's, and Isolation Departments, and is modernly equipped.

Experience in anæsthetics, a knowledge of Clinical Pathology, and previous Hospital experience will be deemed additional assets.

Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.

The appointment will be limited to a term not exceeding one year.

Further information as to the duties, &c., may be obtained from the Medical Officer of the Hospital.

Applications, stating age, qualifications, and nationality, together with copies of recent testimonials, should be addressed to— A. G. ALDRIDGE, Public Assistance Officer.

Stafford-street, Wolverhampton.

Walsall General Hospital.

The Committee invite applications from Men or Women for the post of HOUSE PHYSICIAN and RESIDENT ASSISTANT PATHOLOGIST.

Candidates, who must be registered under the Medical Acts, must produce three recent testimonials.

The appointment will be for six months, salary in the first instance £150 per annum, with consideration of increment if re-appointed.

The Hospital contains 172 beds and is equipped in all special Departments.

Applications, stating age, qualifications, and nationality, to be sent to the undersigned immediately.

WALTER FRANCOMBE, House Governor.

13th April, 1937.

Cefn Coed Hospital, Swansea.

(SWANSEA COUNTY BOROUGH MENTAL HOSPITAL.)

Applications are invited for the post of ASSISTANT MEDICAL OFFICER.

Candidates must be under thirty years of age. Commencing salary £350, rising by annual increments of £25 to £450, with emoluments consisting of board, lodging; laundry, and attendance valued at £100 per annum.

The successful candidate will be expected to obtain the Diploma in Psychological Medicine, upon obtaining which he will receive an addition of £50 per annum. Preference will be given to those candidates who have experience as House Surgeon or House Physician in a General Hospital.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and to certain conditions, a copy of which may be obtained from the Medical Superintendent, to whom applications, giving full particulars, with copies of testimonials, should be sent not later than April 28th, 1937. H. L. LANG-COATH, Clerk to the Visiting Committee.

City of Manchester.

WOMAN MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE.

The Public Health Committee invite applications for the position of Woman Medical Officer from qualified Medical Practitioners who are experienced in midwifery and children's diseases.

The salary is £600 per annum, rising by annual increments of £25 to a maximum of £700.

Application forms, with full information, may be obtained on application to the Medical Officer of Health, Sunlight House, Quay-street, Manchester 3, and must be returned to reach him not later than Saturday, May 1st, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester 2.

Manchester Royal Infirmary.

JUNIOR ASSISTANT MEDICAL OFFICER IN RADIOLOGICAL DEPARTMENT.

The Board of Management invite applications for the above whole-time appointment. Applicants must be registered and hold a Medical and Surgical qualification and the D.M.R.E. or equivalent.

The appointment (non-resident) is for twelve months, subject to the provisions of the bye-laws as to notice. Salary is at the rate of £350 per annum. Applicants must state age and send twelve copies of their application and testimonials to the undersigned by 28th April, 1937.

By Order.

W. R. TINDALE, General Superintendent and Secretary.

The Royal Army Medical Corps

ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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Work, requires Post. Shorthand, Typing, Book-keeping, Accounts; Telephone Switchboard, &c. Excellent testimonials. —Address, No. 209, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

A vacancy for Resident Medical Officer

of a small Mental Hospital near London will shortly occur. Applicants should have experience in mental and nervous disorders. An opportunity of acquiring a proprietary interest may also arise.—Address, No. 211, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Assistant Medical Officer required for

Private Mental Hospital in Provinces. Duties light, suitable for someone reading.—Address, No. 214, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Doctor (young), fully qualified, urgently

required as ASSISTANT MEDICAL SUPERINTENDENT in Hospital in Mediterranean. Must be earnest Christian.

Full particulars on application to Seamen's Christian Friend Society Hospital Trust, 16, Denison House, 296, Vauxhall Bridge-road, London, S.W.1.

Active Partner or Partners required

for old-established well-equipped Nursing Home, 14 patients (border line and convalescent), Surrey Hills, 21 miles South London, suitable for retired Doctor.—Write, Sheard, Breach & Co., 2, Clement's Inn, London, W.C.2, Solicitors.

A Doctor with a small Country

Practice desiring a Holiday during the months of May to July can obtain the services of an experienced man as LOCUM whose only expenses will be hospitality and the expenditure on his car.—Address, No. 207, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel,

Upper Woburn-place, near B.M.A. Headquarters. Accommodates 235 visitors Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, from 8s. 6d.

Resident Patients.—Doctors desiring

accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

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For Sale.—Small Sanatorium, Freehold. Isle of Wight. Suitable for Doctor requiring lighter work, in beautiful climate. Very profitable business. Owner wishing to retire.—Address, No. 213, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Excellent situation for House suitable for Medical Man on recently developed Building Estate; approximately 400 houses already erected.—Apply Builder, W. H. Matthews Ltd., Moor Nook Estate, Norris-road, Brooklands, Sale. 'Phone: CHOrlton 3408.

Harley Street.—2 Rooms, Secretary's Room, General Waiting-room. Two Name Plates. Service. £200 per annum, or would be divided.—Address, No. 210, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2, or Langham 1889.

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Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

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WANTED,
"Lancet," January 4th to August 29th, 1936.—Report to B. F. Stevens & Brown, Ltd., 28–30, Little Russell-street, London, W.C.1.

A good secondhand Microscope for Sale, complete in case. £9 10s.—Write Richard Wear, 62, Bartholomew-close, London, E.C.1, or 'phone Nat 8252.

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Dad's gone out—he should be in—
Ah!—there's an empty TOM LONG tin.

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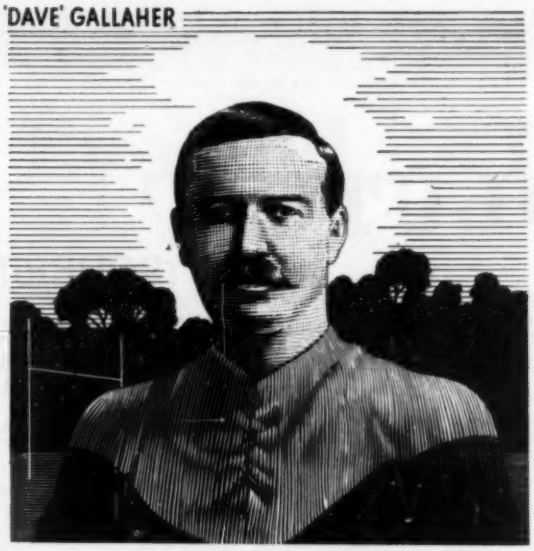

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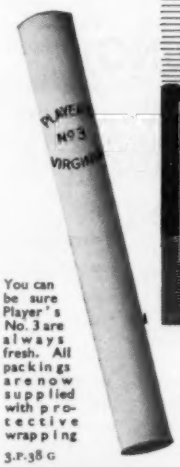

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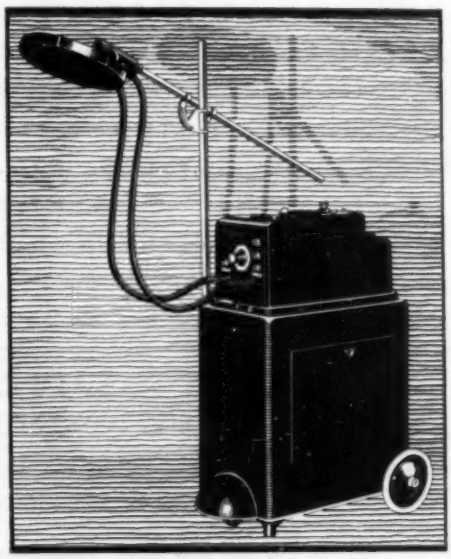

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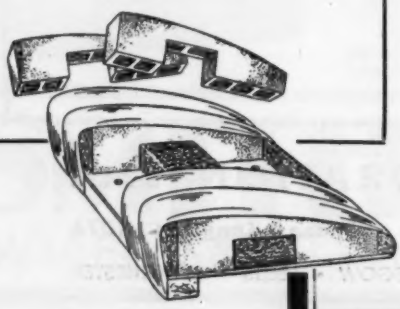

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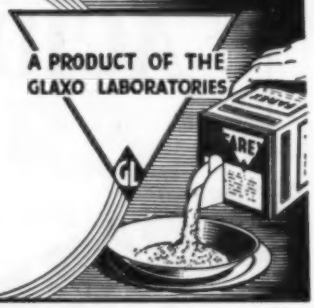

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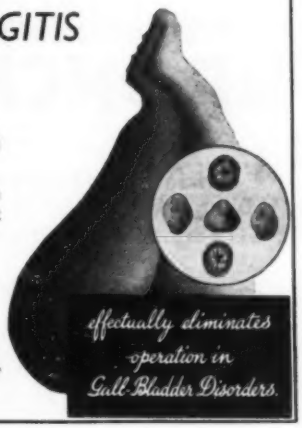

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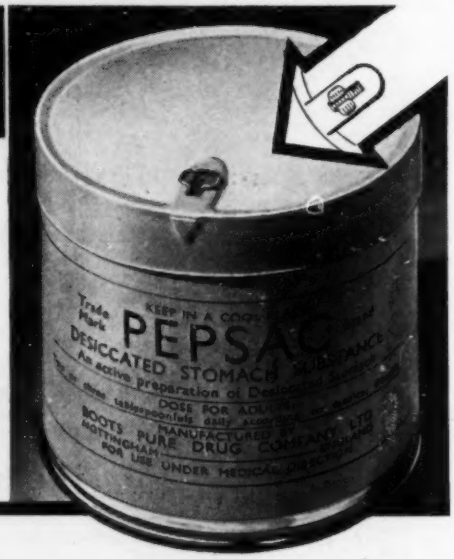

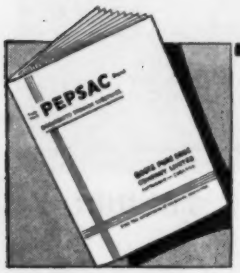

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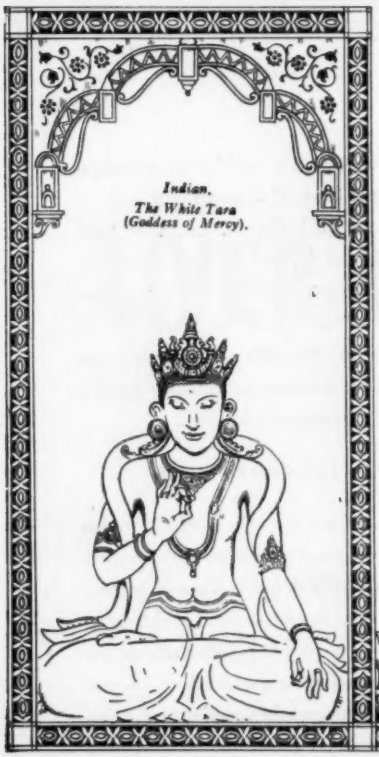

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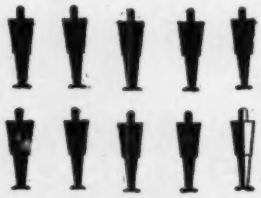

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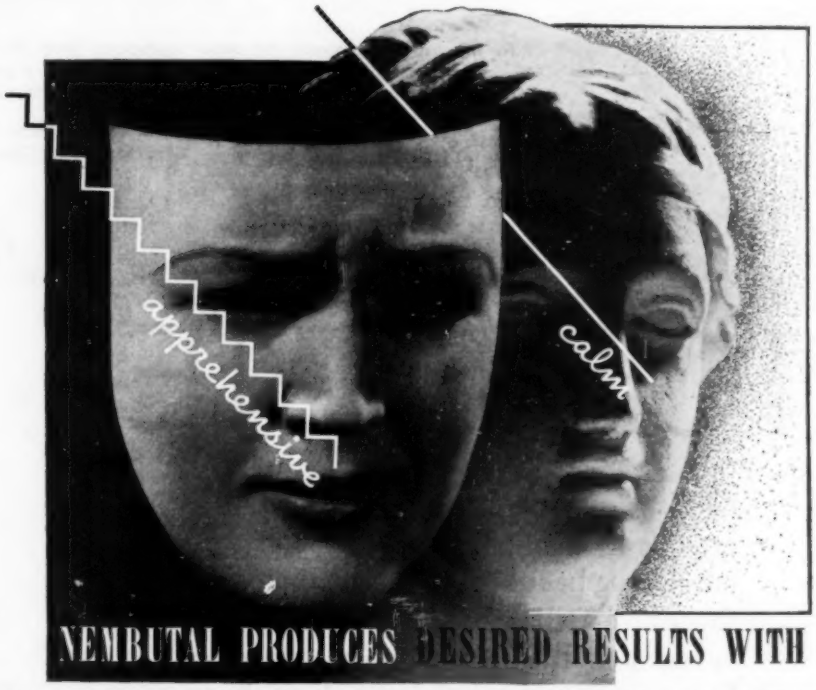

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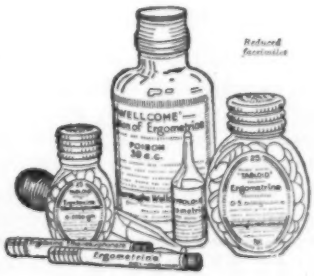

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	100·0	100·0
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[*See also pp.* 28 & 33]

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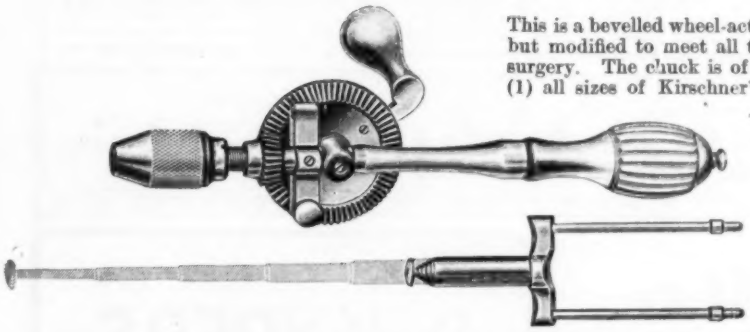

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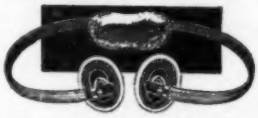

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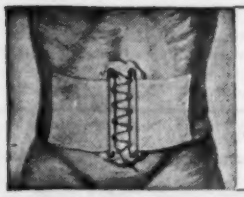

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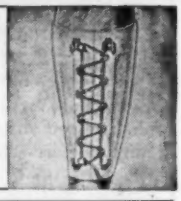

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The Course will include lectures, lantern demonstrations, and clinical work. The class will be limited to six in number.

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18th April, 1937.

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Notice is hereby given that the Museum of the College will be open at the usual times on and after Monday, the 26th April, 1937.

KENNEDY CASSELS, Secretary.

17th April, 1937.

University of London.

A Course of three Lectures on "SOME ECONOMISING MECHANISMS AS A CONDITION OF THE BODY'S ADAPTATION TO INCREASED ACTIVITY" will be given (in English) by Professor DR. H. REIN (Director of the Physiological Institute in the University of Gottingen), at UNIVERSITY COLLEGE, LONDON (Gower-street, W.C.1) on MAY 3rd, 4th, and 6th, at 5 P.M. At the first Lecture the Chair will be taken by Prof. C. A. Lovatt Evans, D.Sc., LL.D., F.R.C.P., F.R.S. (Jodrell Professor of Physiology in the University). Films and lantern slides.

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1937.	10.30 A.M. to 1 P.M.	Conducted by—	2 P.M. to 4.30 P.M.	Conducted by—
Monday, May 31st.	Principles of the Examination of Patients.	Prof. THOMAS BEATTIE, M.D., F.R.C.P.	Hæmorrhoids, Fistula, and Fissure in Ano.	Mr. C. I. NAUNTON MORGAN, F.R.C.S.
Tuesday, June 1st.	Rheumatoid Arthritis.	The Staff of the Red Cross Clinic for Rheumatism.	Dyspepsia.	Dr. T. C. HUNT, D.M., F.R.C.P.
Wednesday, June 2nd.	Surgery of the Colon.	Prof. G. GREY TURNER, D.Ch., M.S., F.R.C.S., F.A.C.S.	Common Respiratory Diseases.	Dr. JAMES MAXWELL, M.D., F.R.C.P.
Thursday, June 3rd.	New Therapeutic Agents.	Dr. E. R. CULLINAN, M.D., F.R.C.P.	Common Types of Anæmia. Their Diagnosis and Treatment.	Dr. JANET M. VAUGHAN, D.M., M.R.C.P.
Friday, June 4th.	Common Diseases of Throat, Nose and Ear.	The Staff of the Central London Throat, Nose and Ear Hospital, Gray's Inn-road, W.C.1.	Diagnosis of Nervous Diseases.	The Staff of the National Hospital, Queen-square, W.C.1.
Saturday, June 5th.	Eye Conditions in General Practice.	The Staff of the Royal London Ophthalmic Hospital, City-road, E.C.1.	—	—
Monday, June 7th.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.	Children's Diseases in General Practice.	The Staff of the Hospital for Sick Children, Great Ormond-street, W.C.1.
Tuesday, June 8th.	The Acute Abdomen.	Mr. R. J. MCNEILL LOVE, M.S., F.R.C.S.	Common Gynæcological Conditions.	Dr. J. CHASSAR MOIR, M.D., F.R.C.S., F.C.O.G.
Wednesday, June 9th.	Diseases of the Skin.	Dr. R. T. BRAIN, M.D., F.R.C.P.	Infectious Fevers.	Dr. W. GUNN, M.A., M.R.C.P., D.P.H., North Western Hospital, Lawn-road, N.W.3.
Thursday, June 10th.	Demonstration of Local Anæsthesia.	The Staff of the School.	Injuries of Ankle and Wrist.	Mr. ST. J. D. BUXTON, F.R.C.S.
Friday, June 11th.	Heart Attacks.	Dr. D. E. BEDFORD, M.D., F.R.C.P.	Thyroid Dysfunction.	Dr. H. GARDINER-HILL, M.B.E., M.D., F.R.C.P.
Saturday, June 12th.	Psychiatry in General Practice.	Dr. J. R. REES, M.D., D.P.H.	—	—

Early application is recommended as only a limited number can be admitted. **FEE: £5 5s.**

Similar Courses, lasting a fortnight, will commence on the following dates:—

JUNE 28th. OCTOBER 18th.

SEPTEMBER 20th. NOVEMBER 15th.

Detailed programmes and any further information can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12.

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The first and second lectures of the series will be the following :—

APRIL 27th.—Sir ALMROTH E. WRIGHT, M.D., F.R.S., *Principal of the Institute.*

Subject: " On the Manifold Fallacies of the Statistical Method applied to Clinical Medicine."

Synopsis furnished by the Lecturer :—

There are two kinds of medical statistics—descriptive statistics (vital statistics), and statistics of ætiological correlation (therapeutic statistics). Here only the latter are considered.

Assignment to statisticians of their niche in the hierarchy of scientific workers—Their place is among the mathematicians and logicians—Favourable inferences they draw, and unfavourable ones which should be drawn, from this—Detailed consideration of the assumption that the statistical conclusions require to be accepted as true.

Terminology of statistics—Examples of terms which must, before statistics can be fruitfully discussed, be added to its vocabulary : (1) *Observed* and *Counter-observed*, or *Inscript* and *Contra-script ;* (2) *Allotrious* (extraneous) and *Idio-proteric* (seipsic) controls.

Also there are required descriptive terms for Fallacies special to statistics—(*a*) Fallacy of *meagre figures ;* (*b*) that of *pseudo-replication ;* (*c*) that of *restricted outlook ;* (*d*) that of *mechanical assortment* (so-called " *random selection* "); (*e*) that of *manipulation ;* and (*f*) that of supposing that the only appeal from statistics is to better and larger statistics.

Rebuttal of the fundamental logical fallacies which derive from the statistical method—Fallacy (*a*) that correlation uncontrolled by experiment can establish a causal relation ; (*b*) that the " mathematical " (so-called probable) error is the only error which is worth taking into serious account in connection with clinical results ; (*c*) that the *saltus empiricus* is a trustworthy logical procedure and that experimentation differs in nothing from ordinary trial and error ; (*d*) that all experiments should be *compendial* experiments, and that *meristic* experiments should be disregarded ; (*e*) that the statistical method can be usefully applied to the testing of therapeutic agents and for the discrimination of a more from a less efficient variety of prophylactic vaccination.

Situation which would arise if the statistical method were thrown overboard :—

(*a*) The present method of idio-proteric (seipsic) control by which Practitioners judge of the efficacy of remedies would not in any way be affected.

(*b*) Also, it would, as at present, be universally recognised that results obtained on a generous number of cases are less likely to be fallacious than the results obtained only on meagre numbers.

(*c*) It would be realised that the clinician should look to laboratory experiments to guide him in the treatment of his patients.

MAY 4th.—FRANCIS MARTIN ROUSE WALSHE, M.D., *Physician i/c Neurological Dept., University College Hospital.*

Subject: " Some General Principles in Neurological Diagnosis."

(*The Synopsis furnished by the lecturer will appear in next week's advertisement.*)

These Lectures are open to all members of the Medical Profession and to all Students in Medical Schools without fee.

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LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Squash racquets, Lawn Tennis, Croquet, Bowls, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 12. *Apply,* J. C. BAKER, M.B.

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephone: Rodney 2641 and 2642.**

The above House, which was established in 1826, is an Institution for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified, Voluntary and Temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor and carriage exercise is provided as required. Patients can avail themselves of a course of physical drill. Tennis Courts. Entertainment, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242(2 lines.)

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel.

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by three Medical Officers, also resident and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

BROMPTON HOSPITAL
and FRIMLEY SANATORIUM

PAYING PATIENTS RECEIVED

BOTH MEDICAL and SURGICAL CASES

5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

CALDECOTE HALL

NUNEATON
WARWICKSHIRE

('Phone: Nuneaton 241)

Residential treatment of

Functional Nervous Disorders

including Alcoholism and other Addictions
(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Functional Nervous Disorders by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

PARK SANATORIUM

(FORMERLY SANATORIUM TURBAN)

DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs.16.– per day. Prospectus.

Medical Superintendent, F. BAUER, M.D.

ST. ANDREW'S HOSPITAL
FOR MENTAL DISORDERS, NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, C.M.G., A.D.C.
MEDICAL SUPERINTENDENT: DANIEL F. RAMBAUT, M.A., M.D.

This Registered Hospital is situated in 120 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble, temporary patients, and certified patients of both sexes, are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital, in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the most modern treatment of Mental and Nervous Disorders. It contains special departments for hydrotherapy by various methods, including Turkish and Russian Baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical Baths, Plombières treatment, &c. There is an operating Theatre, a Dental Surgery, and X-ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High Frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupation therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The Seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout fishing in the park.

At all Branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard court), croquet grounds, golf course, and bowling greens. Ladies and gentlemen have their own gardens and facilities are provided for handicrafts such as carpentry, &c.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air. SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-Ray controlled), TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* CASSIDY de W. GIBB, F.R.C.S. Edin. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S. R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

HAYDOCK LODGE,
NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Diseases, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.
CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: 51.

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* **181 & 182, Winkfield Row.**

MAISON DE SANTE DE MALEVOZ

Monthey, Valais (Switzerland)

TREATMENT OF ALL NERVOUS AND MENTAL DISORDERS

Several villas in a beautiful park overlooking the Rhone valley, with view of the Alpes vaudoises and the Dents-du-Midi. A special house is reserved for the nervous cases who are admitted without any legal formality. In the other houses voluntary and certified patients are received. Psychotherapy, psychoanalysis, individual treatment of all cases. Occupational-therapy. Sports: tennis, golf, swimming-pool, ski. The relatives of the patients may reside in the institution.

Terms from Swiss francs 15.– a day. **4 Resident Physicians.**

Apply to the—

Medical Superintendent:—Dr. A. REPOND. 'Phone: Monthey 6328. Telegr.: Malevoz-Monthey.

A Favourite Resort of the Medical Profession

THORPENESS

is a privately owned Estate on the Suffolk Coast in a dry, sunny, and bracing climate. No trippers or charabancs. Perfect rest, quiet, and recreation. First-class Golf Course, 64 acre Lake for Sailing and Boating, Tennis, Riding, Bridge, etc. The Dolphin Hotel and Two Guest Houses provide comfort and good food. There are also furnished houses to let. Thorpeness is especially attractive in the Spring. *For booklet apply to Estate Office, Thorpeness, Suffolk.*

Smedley's

Great Britain's Greatest Hydro

Matlock

Unrivalled suites of Baths, Turkish and Russian Baths, Air and Vichy Douches, Massage, Plombières Treatment, Studs Chair, and Electric Installation for Baths and other Medical purposes, Dowsing Radiant Heat, Infra Red Light, Artificial Sunlight, d'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large winter garden. Orchestra. Special provision for invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physicians: G. C. R. HARRINSON, M.B., B.Ch., B.A.O.(R.U.I.), R. MACLELLAND, M.D., C.M.(Edin.). **TERMS, 13s. to 18s. per day, inclusive of board.**

Illustrated Prospectus C.J. and full information on request.

Telephone—No. 17 (3 lines). *Telegrams*—Smedleys, Matlock

RHEUMATIC DISEASES

Brine Bath Treatment

DROITWICH SPA

The natural brine which rises at Droitwich is pre-eminently suitable for the treatment of rheumatic diseases. The most potent of its kind in Europe, the Droitwich brine lends itself to the successful application of all the approved types of brine baths. Droitwich Spa is fully equipped for treatment of this nature, and in addition very finely equipped X-ray and Electro-Therapy departments are staffed and maintained.

A residential Clinic is maintained for patients of moderate means.

THE SPA DIRECTOR, DROITWICH SPA, WORCESTERSHIRE

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER, vacant 1st June for a period of six months (subject to re-election). Salary at the rate of £150 per annum with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 30th April to the undersigned, from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

Royal Chest Hospital, City-road, E.C.1.

(Royal Northern Group of Hospitals.)

Applications are invited for the post of HOUSE PHYSICIAN, vacant 1st June for a period of six months. Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by the 30th April to the undersigned from whom forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.
Royal Northern Hospital, Holloway, London, N.7.

Royal Free Hospital,

Gray's Inn-road, W.C.1

Applications are invited for the part-time post (non-resident) of FIRST ASSISTANT in the Children's Department. £100 per annum honorarium.

Candidates should submit applications stating age and accompanied by copies of three testimonials to the undersigned on or before 1st May, from whom further information may be obtained. Preference will be given to former Students of the London (R.F.H.) School of Medicine for Women.

RICHARD T. BARTLEY, Secretary.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY CLINICAL ASSISTANT with special Psychiatric experience.

Applications should be sent to the undersigned on or before Friday, April 30th, 1937.

J. C. BURDETT, Director and House Governor.
12th April, 1937.

British Postgraduate Medical School.

(UNIVERSITY OF LONDON.)

Three PART-TIME DEMONSTRATORS in Clinical Medicine are required for the British Postgraduate Medical School.

Candidates will be required to attend on two mornings and one afternoon each week and carry out such duties as may be allotted to them by the Professor of Medicine. Applicants must hold the degree of M.D. or the Membership of the Royal College of Physicians. The appointment will be for one year and demonstrators will be eligible for re-appointment. They will receive an honorarium of £100 per annum.

Applications, accompanied by copies of three testimonials, must be received not later than the first post on Monday, 3rd May, 1937.

Further particulars can be obtained from the Dean, British Postgraduate Medical School, Ducane-road, W.12.

St. Thomas's Hospital.

Applications, together with testimonials and full details of academic career, are invited for the post of an ASSISTANT PATHOLOGIST and should be sent to the Clerk to the Governors by the 3rd of May. Salary £450 per annum.

Child Guidance Council.

FELLOWSHIPS IN PSYCHIATRY.

The Child Guidance Council offers three Fellowships, each of £300, tenable for a year, for half-time work at the London Child Guidance Clinic, 1, Canonbury-place, Islington, N.1.

Candidates should hold the Diploma in Psychological Medicine or show evidence of psychiatric knowledge up to a similar standard. Experience in Pediatrics or School Medical Service will be regarded as an asset.

The Fellows will be expected to commence work in October this year.

Further particulars and forms of application may be obtained from the Secretary, Child Guidance Council, Woburn House, Upper Woburn-place, London, W.C.1.

Applications should reach the Secretary not later than 10th May, 1937, and should be accompanied by copies of three recent testimonials.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the Staff appointment of part-time PATHOLOGIST in charge of the Department of Morbid Anatomy and Bacteriology. Facilities will be given for private work and for research. Duty to begin 1st September, 1937, remuneration £350 per annum.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of HONORARY PHYSICIAN to the Children's Department. Applicants must hold the M.D. Degree and be Members of the Royal College of Physicians.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, should be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the Staff appointment of Part-time RADIOLOGIST in charge of the diagnostic work. Duty to begin on appointment early in May. Honorarium £200 per annum.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 30th April, 1937.

JEAN R. MURRAY, Secretary.

Elizabeth Garrett Anderson Hospital,

Euston-road, N.W.1.

The Managing Committee invite applications from qualified Medical Women for the appointment of HONORARY ASSISTANT SURGEON to the Throat, Nose, and Ear Department. Applicants must be Fellows of the Royal College of Surgeons.

Fifteen copies of applications, giving full particulars, with copies of three recent testimonials, to be sent to the undersigned by Friday, 14th May, 1937.

JEAN R. MURRAY, Secretary.

The Radium Institute,

Riding House-street, London, W.1.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Candidates must be unmarried.

The salary will be at the rate of £250 per annum, board, residence, and laundry being provided, and the appointment is for six months commencing 17th May next.

Applications, stating age, nationality, qualifications, and experience, with copies of three recent testimonials, must be received at the Institute on or before 5th May next.

Canvassing, either directly or indirectly, is not permitted.

THOS. A. GARNER, Secretary.

County Borough of Croydon.

PUBLIC HEALTH DEPARTMENT.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from qualified Medical Practitioners for the appointment of an Assistant Medical Officer of Health and Assistant School Medical Officer.

Applicants must be Medical Men holding a special qualification in State Medicine or a Diploma in Public Health, and must have had three years' experience of the practice of medicine since obtaining their medical qualification.

Preference will be given to applicants who—

(a) Have had some definite experience of School Medical work;

(b) Have enjoyed special opportunities for the study of Diseases in Children;

(c) Have had experience in Infectious Diseases; and

(d) Have held one or more Resident Hospital appointments.

The candidate appointed will be required to produce a recent satisfactory medical certificate of health and to devote the whole of his time to the duties of the office.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum. The post is designated under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, to be made on forms to be obtained by sending a stamped, addressed foolscap envelope to the Medical Officer of Health, Public Health Department, Town Hall, Croydon, to whom they should be returned accompanied by copies (not originals) of not more than three testimonials of recent date, not later than 10 A.M. on Wednesday, the 5th May, 1937, endorsed "Assistant Medical Officer of Health." Canvassing in any form is prohibited.

JOHN M. NEWNHAM, Town Clerk.
Town Hall, Croydon, 14th April, 1937.

The Salvation Army,

THE MOTHERS' HOSPITAL,
Lower Clapton-road, Clapton, E.5.

Applications are invited from Medical Women for the posts of JUNIOR RESIDENT MEDICAL OFFICER.

One—vacant June 1st, 1937. Appointment to terminate on December 1st, 1937.

One—vacant June 15th, 1937. Appointment to terminate on December 31st, 1937.

Salary £80 per annum, with board, residence, and laundry.

Applications, with testimonials, must be sent to the Secretary on or before Monday, May 10th, 1937.

EDGAR DIBDEN, Secretary.

St. Bartholomew's Hospital.

OFFICE OF ASSISTANT AURAL SURGEON.

NOTICE is hereby given that a meeting of the Election Committee will be held on Tuesday, 8th June, 1937, at 4 o'clock in the afternoon to elect an Assistant Aural Surgeon to the Hospital.

Candidates, who must be Fellows of the Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Saturday, 22nd May, 1937.

THOMAS HAYES, Clerk to the Governors.

22nd April, 1937.

General Lying-in Hospital,

York-road, Lambeth, S.E.1.

Applications are invited for the post of JUNIOR RESIDENT MEDICAL OFFICER AND ANÆSTHETIST. Salary at the rate of £100 per annum with board, residence, and laundry. Appointment for three months, commencing 1st June. The successful candidate will, subject to satisfactory service, be required to succeed to the Senior Medical Officer's post for a further three months.

Applications, stating age and qualifications, with copies of three recent testimonials, to be sent to the Secretary, not later than Friday, 7th May.

County Borough of Croydon.

CROYDON MENTAL HOSPITAL, UPPER WARLINGHAM, SURREY.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER

The Visiting Committee of the Croydon Mental Hospital are prepared to receive applications from Medical Men for the appointment of Assistant Medical Officer at the Croydon Mental Hospital. No married quarters are provided.

The salary will be at the rate of £350 per annum, rising by annual increments of £25 each to a maximum of £450 per annum, and the age of the candidates should not exceed thirty-five. A further £50 per annum will be paid if in possession of the D.P.M.

Furnished apartments will be provided, with board and washing, and for the purpose of superannuation will be valued at £150 per annum.

Candidates must be registered under the Medical Act, and preference will be given to those candidates who have held the post of House Surgeon or House Physician at a General Hospital.

The appointment will be subject to the provisions of the Asylum Officers' Superannuation Act, 1909.

Applications to be made on forms to be obtained by sending a stamped addressed foolscap envelope to the undersigned, with copies (not originals) of not more than three testimonials of recent date, not later than 11 o'clock in the forenoon of Monday, 3rd May, 1937, endorsed "Croydon Mental Hospital, Assistant Medical Officer."

Canvassing, in any form, is prohibited.

JOHN M. NEWNHAM, Clerk to the Visiting Committee.

Town Hall, Croydon, 16th April, 1937.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
(General Hospital. 81 Beds.)

Applications are invited for the post of MEDICAL REGISTRAR to the above Hospital. Candidates must have held a post as House Physician and should possess higher qualifications in Medicine and must not be engaged in general practice.

An honorarium of Fifty Guineas is attached to the post, and the appointment is for one year only, with eligibility for re-election at the end of that year.

Applications, with copies of not more than three testimonials, should reach the Secretary-Manager not later than Tuesday, 27th April, 1937, from whom further particulars may be obtained.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10.

The Board of Management invite applications for the post, as from 1st July, 1937, of HONORARY OPHTHALMIC SURGEON. The candidate appointed will also be required to take the London County Council Clinic which is held on one morning a week. Candidates must hold the F.R.C.S. (Eng.).

Applications, with copies of three testimonials, should be submitted not later than 29th May, 1937, to the undersigned, from whom any further information can be obtained.

H. J. ELEY, Secretary.

Hornsey Central Hospital

(58 Beds), Park-road, N.8.

The Council invite applications for vacancies on the Honorary Consulting Staff for—

(a) PHYSICIAN to Children's Ward.
(b) GENITO-URINARY SURGEON.
(c) ANÆSTHETIST.

Applications, with copies of testimonials, to be sent to the Secretary, Medical Committee, before Monday, May 3rd, 1937.

Borough of Barking.

ASSISTANT MEDICAL OFFICER.

Applications are invited before the 3rd May, 1937, from qualified Medical Practitioners with experience in public health work for the designated appointment of Assistant Medical Officer of Health and Assistant School Medical Officer. Preference will be given to candidates who possess a registrable qualification in public health.

Salary scale £500–£25–£700.

Particulars of duties and application form may be obtained from the undersigned.

S. A. JEWERS, Town Clerk.

Town Hall, Barking, Essex.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON to commence duties on the 1st July, 1937.

Salary at the rate of £100 per annum.

The appointment is for six months and subject to rules, a copy of which may be obtained from the Secretary.

Applications to be made on a form which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Monday, the 10th May, 1937.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (non-resident) to be attached to the Radium Department. Candidates must be registered Medical Practitioners. Facilities afforded for post-graduate study. The appointment is for six months, commencing on the 1st July, 1937. Salary at the rate of £200 per annum.

Applications, to be made on a form which will be supplied by the Secretary, with copies only of not more than three recent testimonials, to be sent to the Secretary not later than the first post on Monday, the 10th May, 1937.

CLEMENT COBBOLD, Secretary.

Royal London Ophthalmic Hospital

(MOORFIELD'S EYE HOSPITAL),
City-road, E.C.1.

Applications are invited for the post of OUT-PATIENT OFFICER, to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £100 per annum. The Out-patient Officer will be appointed for a period of one year and will be eligible for re-appointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications, together with photograph, must be received by the undersigned not later than 8th May, 1937.

A. J. M. TARRANT, Secretary.

County Council of Middlesex.

NORTH MIDDLESEX COUNTY HOSPITAL, EDMONTON.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment. Salary £250 per annum, together with board, lodging, and laundry. Candidates must be registered Medical Practitioners, who have held resident appointments in a general hospital.

The officer appointed will be required to work under the control of the Medical Superintendent, and to devote his whole time to his official duties.

The appointment, which will be subject to medical examination, is for a period of six months in the first instance, may be extended for an additional six months, and is subject to one month's notice on either side. At the expiration of one year's service, the successful candidate, if considered satisfactory in all respects, will be eligible, upon recommendation of the Medical Superintendent and subject to confirmation by the Council, for promotion to the post of Assistant Medical Officer. If not so appointed, he will leave the Council's service.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than 1st May. Application forms are not provided. Envelopes must be endorsed "Junior Assistant Medical Officer."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE "B.3,"
Clerk of the County Council.

Middlesex Guildhall, Westminster, S.W.1, 6th April, 1937.

ROYAL NAVAL MEDICAL SERVICE

A number of vacancies exist for Medical Officers in the Royal Navy, and applications are invited for entry in July, 1937.

Candidates must not be above the age of 28 years and must be registered under the Medical Acts. No examination in professional subjects will be held, but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years in the first instance which may be extended to five years at the discretion of the Admiralty.

At the end of three years' service officers may retire with a gratuity of £400, but those who serve for five years will receive £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career.

Opportunities are available for officers on the permanent list to specialise, and ample provision is made for Post-graduate study.

Copies of the regulations for entry and conditions of Service, including rates of pay and allowances, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 31st May, 1937.

Queen Mary's Hospital for the East END, Stratford, E.15.

Applications are invited for the post of HONORARY ASSISTANT OPHTHALMIC SURGEON at the above Hospital.

Applications, accompanied by copies of testimonials from candidates, who should be Fellows of the Royal College of Surgeons, to be sent to the undersigned not later than the 3rd of May, 1937.

RAPHAEL JACKSON (Major), Secretary.

University of London.—The Senate

invite applications for the UNIVERSITY CHAIR OF BACTERIOLOGY tenable at University College Hospital Medical School. Salary £1,000 a year.

Applications (twelve copies) must be received not later than first post on 14th May, 1937, by the Academic Registrar, University of London, W.C.1, from whom further particulars should be obtained.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (GRADE I.). Salary £350–£25–£425, with board, lodging, and washing.

(*a*) ST. JAMES' HOSPITAL, Ousseley-road, Balham, S.W.12.—Surgical experience essential.

*(*b*) ST. STEPHEN'S HOSPITAL, 369, Fulham-road, S.W.10. Duties medical. Experience in anæsthetics desirable.

ASSISTANT MEDICAL OFFICERS (GRADE II.). Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

*(*a*) BETHNAL GREEN HOSPITAL, Cambridge-road, E.2.—Duties of a general nature, surgical experience desirable.

*(*b*) DULWICH HOSPITAL, East Dulwich-grove, S.E.22.—Medical duties, experience in anæsthetics desirable.

(*c*) ST. ALFEGE'S HOSPITAL, 48, Vanbrugh-hill, Greenwich, S.E.10.—Duties, those of a casualty officer and charge of one T.B. ward.

*(*d*) ST. FRANCIS HOSPITAL (previously Constance-road Institution), East Dulwich, S.E.22.—Medical duties.

*(*e*) ST. GILES' HOSPITAL, Brunswick-square, S.E.5.—Medical duties, experience in anæsthetics desirable.

*(*f*) ST. NICHOLAS' HOSPITAL, Plumstead, S.E.18.—Duties mainly medical, experience in anæsthetics essential.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 3rd May.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available. There is no accommodation for women.

ASSISTANT MEDICAL OFFICERS (Grade II.). Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in the first instance (renewable for a second year under certain conditions).

(*a*) ARCHWAY HOSPITAL, Archway-road, Highgate, N.19. (2 positions.) Duties of both positions mainly medical but in one some surgery will be required.

(*b*) MILE END HOSPITAL, Bancroft-road, Mile End, E.1. Duties mainly medical; experience in anæsthetics desirable.

(*c*) ST. ANDREW'S HOSPITAL, Devons-road, Bow, E.3. Surgical duties; experience of orthopædics and ear, nose, and throat work desirable.

(*d*) ST. LUKE'S HOSPITAL, Sydney-street, S.W.3. Duties mainly medical; experience in anæsthetics desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2B, County Hall, S.E.1, returnable by 10th May.

Canvassing disqualifies.

South London Hospital for Women, Clapham Common, S.W.4.

Applications are invited from fully qualified Medical Women as CLINICAL ASSISTANTS for Gynæcological Out-patients to attend on Monday and Tuesday afternoons, for Surgical Out-patients to attend on Tuesday afternoons, and for Medical Out-patients to attend on Thursday afternoons.

Applications, with testimonials, to be sent to the Secretary at the Hospital.

City of Salford.

ASSISTANT MATERNITY AND CHILD WELFARE MEDICAL OFFICER, PART-TIME. (REVISED.)

Applications are invited for the above-mentioned permanent post at a salary at the rate of £250 per annum for five sessions per week, and £1 11s. 6d. per session for any extra services required.

The post is not pensionable.

Form of application and conditions of service may be obtained from the Medical Officer of Health, 143, Regent-road, Salford, 5, Lancs., to whom the form should be returned, accompanied by copies of not more than three recent testimonials not later than Saturday, 8th May, 1937.

H. H. TOMSON, Town Clerk.

Fermanagh County Hospital,
ENNISKILLEN, NORTHERN IRELAND.

SURGEON-SUPERINTENDENT REQUIRED.

Whole-time appointment, with Consultation Practice confined to Co. Fermanagh.

Salary £750 per annum, plus £100 per annum in lieu of a residence.

Qualifications: (1) F.R.C.S. or M.Ch. and at least three years' experience in Surgical work in a recognised Clinical Hospital; or (2) have had five years' recent experience as an Operating Surgeon in a recognised Clinical Hospital.

Preference will be given to applicants who are also highly qualified, and experienced, Physicians.

Twenty copies of application and testimonials, addressed to the Secretary, to be received on or before Monday, 17th May.

Royal Devon and Exeter Hospital,
EXETER. (275 Beds.)

HOUSE PHYSICIAN.

HOUSE SURGEON TO EAR, NOSE, AND THROAT DEPARTMENT.

The above resident posts (Male only) are shortly becoming vacant.

The appointments are for six months at a salary at the rate of £150 per annum, with eligibility for re-election.

Candidates must possess registered qualifications.

Applications, stating age, qualifications, and copies of three recent testimonials, should be sent to the undersigned as soon as possible. S. S. COLE, Secretary and Manager.

12th April, 1937.

County Borough of St. Helens.

ASSISTANT MEDICAL OFFICER OF HEALTH (FEMALE).

Applications are invited for the post of Assistant Medical Officer of Health (Female).

The duties will be mainly in connexion with Maternity and Child Welfare and the School Medical Service, together with such other duties as the Medical Officer of Health may direct.

Candidates must have special experience in Midwifery and in the diseases of children, and the possession of a diploma in Public Health will be regarded as an additional qualification.

The salary will be at the rate of £500 per annum, plus travelling expenses, rising by annual increments of £25 to a maximum of £700 per annum.

The appointment is subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and to the successful candidate passing the necessary medical examination.

Forms of application may be obtained from the Medical Officer of Health, Town Hall, St. Helens, and completed applications, accompanied by copies of not more than three recent testimonials, should reach him not later than 1st May, 1937.

FRANK HAUXWELL, Medical Officer of Health.

Bethlem Royal Hospital.
MONKS ORCHARD, BECKENHAM, KENT.

CONSULTING SURGEON.

Applications are invited for this post. Candidates must be Fellows of the Royal College of Surgeons of England, Scotland, or Ireland. The appointment to be held for one year subject to annual re-election at the April Court.

Recognition by way of honorarium is made.

For further particulars apply to the Physician-Superintendent at the Hospital.

Applications for the appointment must be forwarded to the Clerk to the Governors at his Office as under on or before April 30th.

JOHN L. WORSFOLD, Clerk, &c.

Bethlem Royal Hospital Office, 14A, New Bridge-street, E.C.4.

Bethlem Royal Hospital.
MONKS ORCHARD, BECKENHAM, KENT.

RADIOLOGIST.

Applications are invited for this post. Candidates must be graduates of a British University and have had other hospital experience as a Radiologist.

The Officer appointed will be expected to attend at the Hospital weekly, or as may be required on notification by the Physician-Superintendent.

The appointment will carry an honorarium of 150 guineas per annum, and will be held for one year subject to annual re-election at the April Court.

For further particulars apply to the Physician-Superintendent at the Hospital.

Applications for the appointment must be forwarded to the Clerk to the Governors at his office as under on or before April 30th.

JOHN L. WORSFOLD, Clerk, &c.

Bethlem Royal Hospital Office, 14A, New Bridge-street, E.C.4.

Doncaster Royal Infirmary and DISPENSARY.
(185 Beds.)

CASUALTY HOUSE SURGEON (Male) required immediately. Salary at the rate of £175 per annum, with residence, board, and laundry.

Applications, accompanied by not more than three testimonials to be sent to the Secretary-Superintendent.

Ancoats Hospital Convalescent Home,
GREAT WARFORD, ALDERLEY EDGE.

Applications are invited for the post of HONORARY VISITING MEDICAL OFFICER to the above. Honorarium, £50 per annum.

Applications, stating age, qualifications, experience, &c., together with copies of three testimonials, to be forwarded to the undersigned on or before 30th April.

By order of the Board.

HERBERT J. DAFFORNE,
General Superintendent and Secretary.

Cefn Coed Hospital, Swansea.
(SWANSEA COUNTY BOROUGH MENTAL HOSPITAL.)

Applications are invited for the post of ASSISTANT MEDICAL OFFICER.

Candidates must be under thirty years of age. Commencing salary £350, rising by annual increments of £25 to £450, with emoluments consisting of board, lodging, laundry, and attendance valued at £100 per annum.

The successful candidate will be expected to obtain the Diploma in Psychological Medicine, upon obtaining which he will receive an addition of £50 per annum. Preference will be given to those candidates who have experience as House Surgeon or House Physician in a General Hospital.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and to certain conditions, a copy of which may be obtained from the Medical Superintendent, to whom applications, giving full particulars, with copies of testimonials, should be sent not later than April 28th, 1937. H. L. LANG-COATH, Clerk to the Visiting Committee.

City of Manchester.

WOMAN MEDICAL OFFICER FOR MATERNITY AND CHILD WELFARE.

The Public Health Committee invite applications for the position of Woman Medical Officer from qualified Medical Practitioners who are experienced in midwifery and children's diseases.

The salary is £600 per annum, rising by annual increments of £25 to a maximum of £700.

Application forms, with full information, may be obtained on application to the Medical Officer of Health, Sunlight House, Quay-street, Manchester 3, and must be returned to reach him not later than Saturday, May 1st, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester 2.

Manchester Royal Infirmary.

JUNIOR ASSISTANT MEDICAL OFFICER IN RADIOLOGICAL DEPARTMENT.

The Board of Management invite applications for the above whole-time appointment. Applicants must be registered and hold a Medical and Surgical qualification and the D.M.R.E. or equivalent.

The appointment (non-resident) is for twelve months, subject to the provisions of the bye-laws as to notice. Salary is at the rate of £350 per annum. Applicants must state age and send twelve copies of their application and testimonials to the undersigned by 28th April, 1937.

By Order.

W. R. TINDALE, General Superintendent and Secretary.

Royal Manchester Children's Hospital,
PENDLEBURY, near MANCHESTER.
(230 Beds.)

RESIDENT SURGICAL OFFICER.

Applications are invited for the post of Resident Surgical Officer. Salary £150 per annum. The appointment is for a period of six months commencing June 1st. Candidates must be unmarried and duly registered. Previous Hospital experience essential.

Applications, stating age and accompanied by copies of not more than three recent testimonials, to be sent to the undersigned not later than Friday, 30th April. Canvassing directly or indirectly, may disqualify.

By order.

H. HEARDMAN, Secretary.

Staffordshire County Council.

WORDSLEY HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male) for the post of Assistant Medical Officer (Resident) at Wordsley Public Assistance Institution, near Stourbridge. Salary £250 per annum with board, residence, and laundry. Candidates should be unmarried. The appointment will be, in the first instance, for a period of six months, but the successful candidate will be eligible for re-appointment for a further period of six months.

Facilities will be available for gaining experience in medicine, surgery, midwifery, and diseases of children.

Applications, with copies of testimonials, should be sent to the undersigned not later than Thursday, April 29th, 1937.

H. L. UNDERWOOD, Clerk of the County Council.

County Buildings, Stafford, 12th April, 1937.

Royal United Hospital, Bath.

HOUSE SURGEON required for Ear, Nose and Throat Department who will also be expected to give anæsthetics in other Departments.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, with copies of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

20th April, 1937.

Lancashire Mental Hospitals Board.

CALDERSTONES CERTIFIED INSTITUTION FOR MENTAL DEFECTIVES, WHALLEY, Near BLACKBURN.

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

Applications are invited for the whole time appointment of Deputy Medical Superintendent at the above Certified Institution. The salary is £750 per annum, rising by annual increments of £25 to a maximum of £850 per annum (a sum of £50 per annum, in addition to the salary, will be paid if in possession of the D.P.M., or a degree in Psychological Medicine of the London University).

The appointment will be subject to the provisions of the Asylums and Certified Institutions (Officers' Pensions) Act, 1918.

Applicants are required to send in their applications on a form to be obtained from the undersigned, and applications endorsed "Deputy Medical Superintendent" should be sent to or delivered at my office not later than 12 noon on Friday, the 7th day of May, 1937.

Canvassing, either directly or indirectly, will be a disqualification.

GEORGE ETHERTON,
Clerk of the Board, County Offices, Preston.

April, 1937.

General Infirmary, Salisbury.

(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

HOUSE PHYSICIAN (Male) required to commence duty 15th May, 1937.

The appointment is for six months, with the right of applying for reappointment for a further period of six months. Candidates must be unmarried, fully qualified, and registered.

Salary £125 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, from whom a copy of the rules may be obtained.

Nottingham General Dispensary.

HYSON GREEN BRANCH, NOTTINGHAM.

Wanted, RESIDENT SURGEON (Male or Female), unmarried. Must have Medical and Surgical qualifications. Salary £300 with £25 increase per year up to £350. House, with attendance, lights, and fuel (not board).

Ultra-violet Ray Clinic. This Institution is a non-provident one. No beds. No midwifery.

Applications, stating age, and accompanied by copies of recent testimonials, to be sent by 1st May, 1937, to—

R. H. WILLATT, Secretary.

5, Thurland-street, Nottingham.

Cardiff Royal Infirmary.

(Associated with the Welsh National School of Medicine).
(490 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Ophthalmic Department of the above Institution. The post is tenable for six months, but may be extended for a further six months. The post is open to either sex.

It is desirable that candidates should have some knowledge of refractions.

Salary is at the rate of £80 per annum (with board residence) for the first six months, and if the appointment is renewed for a further six months, at the rate of £120 per annum for the second period.

Applications, with copies of three recent testimonials, should be sent to the undersigned as soon as possible, as the appointment is now vacant.

R. ARMSTRONG, Medical Superintendent.

19th April, 1937.

Royal Buckinghamshire Hospital,

AYLESBURY.
(In course of extension to 115 beds.)

Applications are invited for the post of SECOND RESIDENT MEDICAL OFFICER (Male) for six months, to begin duty as soon as possible.

The candidate appointed will be eligible to apply for the Senior post when it becomes vacant.

Salary £150 per annum, with board, residence, and laundry. Candidates must be fully qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, should be sent to the undersigned immediately.

F. G. DAWES, Secretary.

Bedford County Hospital.

Wanted, SECOND HOUSE SURGEON to take over duties immediately for a term of not less than six months, salary £150 per annum.

He must be fully qualified, Male, unmarried, previous Hospital experience essential, board, lodging, and laundry.

Applications, stating age, nationality, qualifications, together with three recent testimonials, to be sent to the Hon. Secretary, Hon. Medical Staff Committee.

Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

RESIDENT HOUSE SURGEON (Male) required, at a salary of £175 per annum, with board, residence, laundry, &c. To commence duties as soon as possible.

Applications, with copies of testimonials, stating age, nationality, experience, &c., to be sent to the undersigned as early as possible.

T. DEWHURST, Gen. Supt. and Secretary.

Royal Infirmary, Blackburn.

This Institution is recognised for the Surgical practice required for the F.R.C.S. examination.

Victoria Central Hospital, Wallasey.

(135 Beds.)

Applications are invited for the position of JUNIOR HOUSE SURGEON (Male). Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, accompanied by copies of three recent testimonials, to be sent to the undersigned.

FRANK DEAN, F.C.I.S., Secretary-Superintendent.

Royal Hampshire County Hospital,

WINCHESTER.
(167 Beds.)

HOUSE SURGEON.

Applications are invited from fully qualified men for the above post to take up duties on 1st May next. Six months' appointment. Salary £125 per annum, with board, residence, and laundry.

Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials.

16th April, 1937. HERBERT MASLEN, Secretary.

The Royal Hospital, Wolverhampton.

(Incorporated under Charter.)

HOUSE SURGEONS required (General Surgery). The Hospital contains 300 Beds, includes the usual special departments, and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned. W. H. HARPER, House Governor.

Wolverhampton, 5th April, 1937.

Liverpool and District Hospital for

DISEASES OF THE HEART.

HOUSE PHYSICIAN (Male or Female) wanted immediately. Facilities for writing Thesis. Salary £100 per annum, with board, residence, and laundry.

Applications to Miss LEWIS, Secretary, 14, Cook-street, Liverpool.

General Hospital, Nottingham.

(386 Beds.)

A HOUSE SURGEON is required at the above Institution for the Ear, Nose, and Throat Department containing 40 Beds and a large Out-patient Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned without delay.

Duties to commence on Friday, May 7th.

PETER M. MACCOLL, House Governor and Secretary.

Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS

Applications are invited from fully qualified men for the above post.

The appointment is for six months.

Salary at the rate of £150 per annum.

Applications, stating age, together with copies of three recent testimonials, should be sent to the undersigned.

G. SUNNUCK, Supt. and Secretary.

April 6th, 1937.

The Prince of Wales's Hospital,

Greenbank-road, PLYMOUTH.
(Formerly South Devon and East Cornwall Hospital.)
(264 Beds.)

Applications are invited for the post of HOUSE SURGEON. Salary £120 per annum, with board, residence, and laundry.

The appointment is tenable for six months and is subject to renewal. Duties to commence 25th May.

The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applicants must be registered under the Medical Acts.

Applications, stating age and qualifications, with copies of three recent testimonials, to reach the undersigned by May 8th.

ARTHUR R. CASH, Gen. Supt. and Secretary.

19th April, 1937.

West Kent General Hospital

(Incorporated), MAIDSTONE. (120 Beds.)

Applications are invited for the post of HOUSE SURGEON, who must be a Male of British nationality.

Salary at the rate of £175 per annum, with board, apartments, and laundry.

Candidates must possess registered qualifications.

Applications, stating qualifications and experience, together with copies of testimonials, should be sent to the undersigned not later than 12th May, 1937.

The successful candidate will be required to take up residence on 17th May, 1937.

EDWARD J. GREGG, House Governor and Secretary.

City of Coventry.

ASSISTANT MEDICAL OFFICER (WOMAN).

Applications are invited, from duly qualified and registered Women Medical Practitioners under forty years of age and possessing a Diploma in Public Health, for the post of Assistant Medical Officer in the City of Coventry Public Health Department. The duties will be mainly in connection with the maternity and child welfare scheme.

The salary will be £500 per annum, rising by annual increments of £25, to a maximum of £700. The officer appointed will be required to devote her whole time to the duties of the post.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass the necessary medical examination as to fitness and to contribute to the Superannuation Fund.

Applications, together with copies of three recent testimonials, must be made on the prescribed form (which may be obtained on request) and must reach the undersigned on or before May 7th, 1937.

A. MASSEY, Medical Officer of Health.

The Council House, Coventry, 19th April, 1937.

York County Hospital.

(204 Beds.)

Applications are invited for the post of HOUSE SURGEON to the Eye, Ear, Nose, and Throat Department. Duties include part-time Casualty and General Hospital work. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and previous experience, together with copies of not more than three recent testimonials, to be sent to the undersigned not later than 9 A.M. on Thursday, 29th April, 1937.

J. R. MACKRILL, Secretary.

MEDICAL COUNCIL OF INDIA

Applications are invited from Medical Graduates of not less than ten years' standing, preferably having experience of University medical teaching, for the post of SECRETARY, Medical Council of India. Office will be located in Delhi. Appointment from 1st November, 1937; tenure for five years in the first place, the first year to be on probation. Pay Rs. 1200–75–1500 per mensem. Benefit of the Medical Council of India Provident Fund on permanency, provided that if the incumbent is a pensionable servant, or a pensioner, he will not be eligible to subscribe to the Provident Fund. Will be governed by the Medical Council of India Regulations and Rules. Professional practice will not be allowed. Canvassing will be a disqualification.

Applications, with copies of testimonials, which will not be returned, must reach the Secretary, Medical Council of India, Simla, not later than 15th June, 1937.

Bristol General Hospital.

The Committee invites applications for the appointment of a THIRD HOUSE SURGEON.

The appointment will be for a period of eight months from June 1st, salary at the rate of £80 per annum, with board, residence, &c., provided in the hospital.

Candidates must be registered under the Medical Acts, and produce testimonials of good personal character and ability, and must have recent experience in the administration of anæsthetics.

Forms of application and further particulars may be obtained from the undersigned, to whom applications must be returned accompanied with copies of testimonials on or before Saturday, May 8th, 1937.

THOMAS W. GREGG, F.C.C.S., Secretary.

City Mental Hospital, Humberstone,

LEICESTER.

Wanted, LOCUM TENENS ASSISTANT MEDICAL OFFICER for the summer months from the 22nd May, 1937. Experience of Mental Hospital practice is desirable.

Terms ten guineas per week. It will be necessary for the gentleman appointed to live out.

Apply without delay, giving particulars and three references to the Medical Superintendent.

Boston General Hospital.

(70 Beds.)

RESIDENT MEDICAL OFFICER (Male) required to take up duties as soon as possible. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and is renewable.

Applications, stating age, qualifications, and previous experience, with copies of three recent testimonials, should be sent to the undersigned immediately.

GORDON EASTO, Secretary.

Norfolk and Norwich Hospital,

NORWICH.
(417 Beds.)

Applications are invited for the post of
RESIDENT SURGICAL OFFICER.

Salary £250 per annum, with board, residence, and laundry. The appointment is for twelve months from June 1st. Preference will be given to candidates holding the F.R.C.S. qualification.

Applications, stating age, qualifications, and experience, accompanied by copies of recent testimonials, should reach the undersigned not later than the first post on Tuesday, 11th May, 1937.

FRANK INCH, House Governor and Secretary.

23rd April, 1937.

The Welsh National School of

MEDICINE.
(UNIVERSITY OF WALES.)

JUNIOR ASSISTANT IN THE MEDICAL UNIT.

Applications are invited for the full-time post of Junior Assistant in the Medical Unit in The Welsh National School of Medicine, Cardiff. The appointment is a temporary one, for a period not exceeding two years, at a salary at the rate of £250 per annum, and the person appointed will be required to commence duties on October 1st, 1937.

Further particulars of the appointment may be obtained from the undersigned, by whom six copies of application, accompanied by copies of not more than four testimonials, must be received by May 22nd, 1937.

S. C. EDWARDS, Secretary.

The Welsh National School of Medicine, The Parade, Cardiff, April, 1937.

The Royal Sea-Bathing Hospital,

MARGATE.

A Male HOUSE SURGEON required on the 1st of June next. The salary is at the rate of £200 per annum, with board, residence, attendance, and laundry. Candidates for the post must be legally qualified and registered. The appointment is for six months, but may be extended for a further period of six months. There are 320 beds for adults and children which afford special opportunities for the study of surgical tuberculosis.

Applications, stating age, previous appointments, with copies of three recent testimonials, should be sent to the Secretary, R.S.B.H. Offices, 15, York Buildings, Adelphi, London, W.C.2, not later than 3rd May next.

County Borough of Preston.

SHAROE GREEN HOSPITAL.

MEDICAL SUPERINTENDENT.

Applications are invited for the post of Medical Superintendent of the above-mentioned Hospital and of Medical Officer to the Public Institution.

The Hospital is appropriated for public health purposes and consists of 250 Beds, of which 35 are maternity beds. A Consultant Obstetrician has been appointed and the appointment of a Visiting Surgeon will shortly be made.

There are two Assistant Resident Medical Officers.

Preference will be given to medical men who have had administrative experience and hold higher qualifications in medicine.

Salary at the rate of £850, rising by biennial increments of £50 and a final increment of £12 10s. to a maximum of £1,062 10s. per annum. The salary is inclusive of house, coal, and light, which are valued at £100 per annum.

The officer appointed will be required to pass a medical examination and to contribute to the Council's Superannuation Fund.

Forms of application may be obtained from the Medical Officer of Health, Municipal Building, Preston, and must be returned to the undersigned by first post on the 8th May, 1937.

HERBERT E. NUTTER, Town Clerk.

Municipal Building, Preston, 17th April, 1937.

Walsall General Hospital.

The Committee invite applications from Men or Women for the post of HOUSE PHYSICIAN and RESIDENT ASSISTANT PATHOLOGIST.

Candidates, who must be registered under the Medical Acts, must produce three recent testimonials.

The appointment will be for six months, salary in the first instance £150 per annum, with consideration of increment if re-appointed.

The Hospital contains 172 beds and is equipped in all special Departments.

Applications, stating age, qualifications, and nationality, to be sent to the undersigned immediately.

WALTER FRANCOMBE, House Governor.

13th April, 1937.

Swansea General and Eye Hospital.

(336 Beds.)

CASUALTY OFFICER required. Gentleman, single. Must have had previous hospital experience. Appointment for six months. Duties to commence immediately.

Salary £150 to £175 per annum, according to experience, with board, residence, and laundry.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

New Sussex Hospital for Women,

Windlesham-road, BRIGHTON.

Applications are invited from qualified Medical Women for the post of HOUSE SURGEON. Salary at the rate of £100 per annum. To commence duties immediately.

Applications, in writing, accompanied by recent testimonials, should be sent to—

PERCY F. SPOONER, Secretary.

April 17th, 1937.

Resident Surgical Officer (Junior)

required immediately for the PRINCESS MARGARET ROSE HOSPITAL FOR CRIPPLED CHILDREN, EDINBURGH (100 Beds); preference given to candidates with Orthopædic experience; initial salary at rate of £50 per annum, with board. Apply, before 30th April, with six copies of not more than four testimonials, to R. W. MARTIN, W.S., Secretary, P.M.R.H.C.C., 11, Coates-crescent, Edinburgh.

King George Hospital, Ilford (near London).

(207 Beds.)

Applications are invited for the following Resident Appointments (Male), which become vacant on the 1st July:—

RESIDENT SURGICAL OFFICER (who must possess a Surgical Fellowship), £250 per annum.

MEDICAL REGISTRAR, £150 per annum.

These appointments are for one year, with eligibility for re-appointment.

Two HOUSE SURGEONS, £100 per annum.

These appointments are for six months.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than the 1st June.

(Signed) G. AUSTIN HEPWORTH,
Secretary and Superintendent.

King George Hospital, Ilford (near London).

(207 Beds.)

The Board of Management invite applications for the post of HONORARY CHIEF ASSISTANT to the Orthopædic and Fracture Department of the Hospital. Candidates must possess a Surgical Fellowship, and the successful applicant will be required to attend the Hospital twice weekly. Full particulars of the appointment may be obtained from the undersigned, to whom applications, with copies of testimonials, should be addressed not later than Monday, 17th May.

(Signed) G. AUSTIN HEPWORTH,
Secretary and Superintendent.

Free Eye Hospital, Southampton.

The Committee require the services of a duly qualified HOUSE SURGEON to enter on duties on 19th May, 1937. Salary £150 per annum, with board, residence, and laundry. Post-graduate experience in Ophthalmology is desirable.

Applications, with three recent testimonials, to reach the Secretary by 7th May, 1937.

Caernarvonshire and Anglesey

INFIRMARY, BANGOR.

Wanted, a SENIOR and a JUNIOR HOUSE SURGEON. Salary respectively £150 and £100, with residence, board, and laundry. Duties to commence immediately. Hospital contains Orthopædic, Eye, Ear, Nose, and Throat, Radium, X Ray, and V.D. Departments.

Applications, stating age, qualifications, and nationality, to reach the Secretary before April 29th.

City of Manchester.

WITHINGTON HOSPITAL. (1,200 Beds.)
Recognised under the regulations for the F.R.C.S.

The Public Health Committee invites applications from registered Medical Practitioners for the undermentioned posts:—

1. ASSISTANT TO THE RESIDENT SURGICAL OFFICER (Grade 2). Salary £250 per annum, with board, residence, and laundry.
   To commence mid-June.
2. ASSISTANT TO THE RESIDENT OBSTETRICAL OFFICER (Grade 2). Salary £250 per annum, with board, residence, and laundry.
   To commence mid-June.
3. Two ASSISTANT MEDICAL OFFICERS (Grade 3). Salary £200 per annum, with board, residence, and laundry.
   To commence during July.

All the above appointments are subject to the Manchester Corporation conditions of service and each will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the posts should be received by him not later than Monday, May 3rd, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 19th April, 1937.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioner for the following posts:—

(1) HOUSE PHYSICIAN (Male) to the Sutton Branch Hospital, vacant May 6th. Salary at the rate of £160 per annum.
The Branch Hospital is not a Recovery Annexe but a General Hospital of 100 beds, 45 of which are reserved for medical cases.

(2) SECOND HOUSE PHYSICIAN (Male) at the Main Hospital, vacant now. Salary at the rate of £150 per annum.
Both the above posts are recognised by the University of London for the M.D. (Branch 1) (Medicine) Examination.

(3) SECOND CASUALTY OFFICER (Male) at the Main Hospital, vacant now. Salary at the rate of £150 per annum.
In addition to carrying out duties in the Casualty Department the Officer appointed will act as House Surgeon to one of the Honorary Assistant Surgeons, and will thus obtain ward and theatre experience. He will be eligible for promotion to a more senior post when a vacancy occurs.

The holders of the above posts receive residence, board, and laundry.

The appointments will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

April 19th, 1937.

County Mental Hospital, Whittingham,

PRESTON, LANCS.

RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER required. Salary £500, rising by annual increments of £25 to £600. No emoluments. £50 per annum is paid when the successful candidate obtains the Diploma in Psychological Medicine. The successful candidate will be required to live in the Hospital, and charges at the rate of £150 per annum will be made for board, furnished apartments, and washing. Candidates must be duly registered under the Medical Act.

Applications, stating age, which must not exceed thirty, qualifications, and copies of testimonials, should reach the Medical Superintendent not later than the morning of the 11th May, 1937. The successful candidate will be required to undergo medical examination. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and the Regulations of the Lancashire Mental Hospitals Board.

City of Manchester.

CRUMPSALL HOSPITAL. (1568 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named Hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Sunlight House, Quay-street, Manchester, 3, and applications for the post must be received by him not later than 5th May, 1937.

F. E. WARBRECK HOWELL, Town Clerk.

Town Hall, Manchester, 2, 21st April, 1937.

Kettering and District General HOSPITAL.
(102 Beds.)

Applications are invited for the posts of RESIDENT MEDICAL OFFICER and SECOND RESIDENT MEDICAL OFFICER (Males).

Salaries £160 and £140 per annum respectively, with board, residence, and laundry. Candidates must be fully qualified and registered.

The appointments are for six months.

Applications, stating age, nationality, and qualifications, together with copies of three testimonials, to be sent to the undersigned as soon as possible.

G. W. JACKSON, Secretary-Superintendent.

City of Birmingham.

PUBLIC HEALTH DEPARTMENT—TUBERCULOSIS SECTION.

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from single registered Male Medical Practitioners for the post of Assistant Resident Medical Officer in the Tuberculosis Section of the Public Health Department. The successful candidate will be employed both in a Sanatorium and in a Dispensary.

Candidates should have held a resident general hospital appointment or an appointment in some institution set apart for the treatment of those suffering from tuberculosis. Experience in the diagnosis and treatment of non-pulmonary forms of tuberculosis is desirable.

The commencing salary will be at the rate of £400 per annum, rising by £25 to £450 per annum, with emoluments valued at £150 per annum.

The officer appointed will be required to refund to the Council all fees, allowances, and emoluments (other than the foregoing) received by him.

The successful candidate will be required to pass an approved medical examination, to contribute to the superannuation scheme established under the Local Government and Other Officers' Superannuation Act, 1922, as amended by Section 82 of the Birmingham Corporation Act, 1935 (Annuities for Widows) and, if under thirty years of age, to join the Birmingham Municipal Officers' Widows' and Orphans' Pensions Scheme.

The appointment will be terminable by one month's notice on either side.

Forms of application and a summary of duties may be obtained from, and should be returned, with three recent testimonials, to the Chief Clinical Tuberculosis Officer, 151, Great Charles-street, Birmingham, 3, not later than the 8th May, 1937.

F. H. C. WILTSHIRE, Town Clerk.

Council House, Birmingham, 1.

City of Leicester.

RESIDENT MEDICAL OFFICER.

Junior Assistant Medical Officer (Male) required for the CITY ISOLATION HOSPITAL AND SANATORIUM, Groby-road. Appointment for a period of six months. Salary at the rate of £300 per annum, with the usual residential emoluments. The officer appointed may be required to assist with Infant Welfare work.

Applications on forms to be supplied, to be sent to the undersigned not later than the 1st May, 1937.

E. K. MACDONALD, Medical Officer of Health.

Health Offices, Grey Friars, Leicester, April, 1937.

West Riding of Yorkshire Mental HOSPITALS BOARD.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER. WADSLEY MENTAL HOSPITAL, NEAR SHEFFIELD.

Applications are invited for the appointment of an Assistant Medical Officer (Male or Female) in the Board's service at the above Mental Hospital, at a commencing salary of £350 per annum, rising by annual increments of £25 to a maximum of £450, together with emoluments (board, apartments, and laundry) valued at £120 per annum. The Board will allow an extra £50 per annum to the successful candidate who (whilst on this scale) holds or obtains the Diploma in Psychological Medicine, for which this Hospital affords special study facilities.

Consideration will be given only to candidates who have had at least one year's (preferably two years') experience in general medicine after qualification.

The appointment is subject to the provisions of the Asylum Officers' Superannuation Act, 1909, Class 1.

Applications, with copies of not more than two recent testimonials, stating age and full particulars, to reach the Medical Superintendent, West Riding Mental Hospital, Wadsley, Sheffield, 6, not later than 7th May, 1937.

There is no printed form of application.

G. L. BANNER, Clerk of the Board.

Board Offices, Wakefield, April, 1937.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters Caretakers, &c., without charge to prospective employers.

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Woman Secretary, high school and University education, competent Stenographer, nine years' experience secretarial work, requires part-time post with Medical Man or Woman.—Write, W. S., 149, Leigham Court-road, Streatham, S.W.16.

Young Lady seeks post as Recep-TIONIST to Doctor or Dentist.—Write, Vincent, 1538A, London-road, Norbury, or 'phone Pollard 4771.

European Medical Officer required for a Mining Group in the Tropics. Unmarried preferred. Tropical experience necessary. Salary £840 per annum. Living expenses paid by Company. Urgent.—Write, Box No. 465, 8, Serle-street, W.C.2.

Assistant required in Radiological Practice in South Africa. Partnership will be offered to suitable applicant. Salary for the period of Assistantship from £1200 to £1500 per annum, depending on qualifications and experience. Full personal and professional particulars are requested.—Address, No. 215, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Opportunity for experienced Practitioner (at least ten years G.P.) to join Specialist in Harley-street. Small premium. Also unopposed Country Practice near Exeter.—Ronald Beckton & Co., Medical Agency, 18, Dix's Field, Exeter.

Experienced Practitioner recently disposed of good-class Practice requires similar General or Specialist PRACTICE with House within three miles of Marble Arch.—Address, No. 219, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Practice for Sale in a pleasantly situated North Wales coast town. Good class private patients; selected panel, with scope for increase.—Address, No. 217, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Ophthalmic Practice in S. Rhodesia.—Gross Receipts 11 months ended 31st March, 1937, £1536. Possibilities of expansion for man with D.O.M.S. or D.O. and operative experience. Good well-equipped Hospital.—Address, No. 220, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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Harley Street and District.—A number of excellent CONSULTING ROOMS are available for full and part-time use at moderate rents. Particulars on application.—ELGOOD & Co., 10, Henrietta-street, Cavendish-square, W.1. Lang. 2601.

Wanted, Consulting Room and Secretary's ROOM, ground floor or first floor with lift. Harley-street or Wimpole-street. Full time use with use of waiting-room. Plate.—Address, No. 221, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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To Let or for Sale, Corner House suitable for Doctor. Close to West Dulwich Station. Nine rooms, nice garden. Rent £75 per annum.—Apply 130, Thurlow Park-road, Dulwich, London, S.E.

Deptford.—Main Road Shop, 5 rooms, &c., suitable for Doctor, Dentist, or Foot Clinic; very prominent position. Rent £100 p.a. exclusive on lease.—Write, "G," 8, Castlenau, Barnes, S.W.13.

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General Infirmary, Salisbury.

(Voluntary Hospital, 191 Beds, now in course of extension to 225 Beds.)

RESIDENT MEDICAL OFFICER (Male) required to commence duty 1st June, 1937.

The appointment is for one year, including a three months' probationary period, with the option of extension.

Candidates must have held at least one appointment at a recognised Hospital as House Physician and/or House Surgeon and Anæsthetist, either separately or in conjunction with the former.

He must reside in the Infirmary and devote his whole time to the service of the Infirmary.

Salary £250 per annum, with board-residence.

Applications, with copies of testimonials, to be sent to the House Governor and Secretary, and to be received by 30th April, 1937.

All stupid talk of war must cease,

Smokers enjoy the TOM LONG peace.

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17. DEATH VACANCY.—YORKSHIRE.—Better-class PRACTICE in good residential district. Gross cash receipts average about £650. Panel of about 400. Suitable house can be rented at £100 p.a. Offers invited.
18. WESTERN DISTRICT OF LONDON.—Old-estab. good mixed-class PRACTICE producing between £1600 and £1700 p.a., including panel of 1500. Roomy corner house in excellent position with garage. Freehold for sale or rented on lease.
19. NORTH LONDON.—Old-estab. mixed-class PRACTICE held by vendor many years. Gross cash receipts approximately £2800 p.a. Panel of over 2800. Suitable house and branch surgery can be rented on lease.
20. LONDON, SOUTH-EAST.—Old-estab. PRACTICE producing about £1830 p.a., including select panel of 500. Fees from 3s. 6d. Suitable house available with 2 reception, 5 bedrooms, &c. Freehold for sale. Premium 2 years' purchase.
21. LONDON, WEST.—PARTNERSHIP.—One-third Share with increase later is offered in well-estab. Practice producing £2400 p.a. with scope. Suitable house can be obtained. Premium 2 years' purchase.
22. SOUTH CORNWALL.—FAVOURITE COAST TOWN.—Well-estab. PRACTICE averaging over £1100 p.a., including selected panel of about 350. Fees from 5s. Good freehold house for sale or smaller house available. Premium £2000. Vendor retiring.
23. NORTH WALES.—FAVOURITE SEASIDE RESORT.—A one-third Share (with increase later) is offered after short preliminary assistantship in old-estab. better-class PRACTICE producing about £3400 p.a. Panel of 1100. Suitable flat available for ingoing partner who should be experienced. Premium 2 years' purchase.
24. LONDON, NORTH-WEST.—PARTNERSHIP.—A one-third Share is for disposal in steadily increasing middle class Practice producing last year £2400. Small panel. Fees 7s. 6d. to 21s. Choice of houses. Premium £2000.
25. DEATH VACANCY.—FAVOURITE SOUTH-WEST COAST TOWN.—PARTNERSHIP WITH SURGICAL SCOPE.—A One-third or One-half Share is for disposal (owing to recent death of senior of two partners) in good class non-panel Practice stated to average £3600 p.a. for past 5 years. Fees 7s. 6d. upwards. Suitable house with ample accommodation can be rented or purchased. Premium for Share 2 years' purchase. Ingoing partner must be experienced, over 35, and able to undertake major surgery.

WANTED TO PURCHASE.—Small non-panel PRACTICE in Golders Green or Hampstead area. No midwifery. House on rental. Receipts £200 p.a. or less with scope, or lock-up.

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